Chapter 1 : NPR Choice page

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History[edit] Initial planning and construction[edit] Following a visit to Disneyland in Anaheim, California , shortly after its opening, wealthy real estate developer Angus G. Planning for such a place began in , under the leadership of Wynne and the Great Southwest Corporation , along with the backing of various New York City investors. Construction on the park began in August The original logo for Six Flags over Texas. The entrance of Six Flags over Texas welcomes visitors while the Oil Derrick observation tower looms in the background. Origin of the name[edit] The name "Six Flags Over Texas" refers to the flags of the six different nations that have governed Texas: Although additional themed areas have been added, the original six can still be found within the park. Grand opening[edit] Six Flags Over Texas opened its gates from July 29 to August 4, , to several local corporations that Wynne had invited as part of a "soft-test opening. According to the Park Map [8] there were 46 "major attractions" listed. The park added numerous attractions, including two new sections: The park also witnessed the birth of two classic theme park attractions: El Aserradero in and the Runaway Mine Train roller coaster in Attendance reached close to 2 million visitors a year by the end of the decade. Wynne to a new limited partnership managed by Dallas investor Jack Knox. It was the setting for the opening sequence in the Sid and Marty Krofft television show Lidsville , in which lead character Mark Butch Patrick sees a magician perform in one of the theaters, then sneaks backstage after the magic show, causes the hat to enlarge, falls through it and lands in Lidsville, "the land of living hats. The park added two new roller coasters, more rides, and a new section called "Goodtimes Square". The park also removed many of its less popular aging attractions in this decade as well. In , a new mascot, Cyrus Cosmo - the inventor - was created and led many ad campaigns. By , Six Flags Over Texas had had over 30 million visitors. Six Flags Over Texas also introduced three popular festivals in this decade. Spring Breakout, introduced in , brought live bands and excitement to the park for students on Spring Break. Six Flags also introduced Fright Nights and Holiday in the Park to increase attendance and extend the season. After a record year, Six Flags Over Texas went into a lull with management changes and name changes as the Looney Tunes characters began to take over starting in When the ride opened it was one of the most technologically advanced roller coasters, with lims propelling it forward. In the late 90s, the park experienced a period of growth by adding new coasters and rides. Many of these new additions including the new Gotham City section were far from the original Six Flags Over Texas theme. By the end of the decade, Six Flags Over Texas had added ten roller coasters to its list of attractions. In , the park introduced its tallest, fastest, longest roller coaster, Titan. Built by Giovanola of Switzerland, it climbs feet It is the tallest, fastest, longest roller coaster in the park and in the state of Texas. In , the park kicked off the Best of Texas Festival, which brought Texas history back to the park. The park has also made steps toward bringing back the past when they reopened Casa Magnetica. This was the tallest ride of its kind in the world at the time of its opening. In , the park celebrated its 45th Anniversary by adding ten new attractions geared toward families. Since then, Six Flags Over Texas had placed more emphasis on families by offering a daily parade and more characters including Scooby-Doo and the Justice League. They terminated several licenses including their licenses with Tony Hawk. Freeze was closed briefly to feature new backwards facing trains. The newly named Mr. Freeze Reverse Blast reopened on May 12, It features a Texas theme with red, white, and blue colors, along with a giant star with six other flags all on top of the tower. Texas SkyScreamer opened on May 25, The park will also add Wahoo Racer, a new water slide to the adjacent Hurricane Harbor park. The Ride will become Batman: The Ride Backwards, as the park will reverse the trains. Battle for Metropolis , a dark ride themed to the Justice League for the season. On September 3, , Six Flags announced the expansion of the Gotham City section of the park for the season. It reopened on March 10, for Season Pass Holders. It reopened to the public on March 25, In August , in response to the

controversial Unite the Right rally that was held in Charlottesville, Virginia , the park replaced its six flags which had included the original Confederate flag with six American flags. A representative of the park told KXAS-TV , "We always choose to focus on celebrating the things that unite us versus those that divide us. As such, we have changed the flag displays in our park to feature American flags.

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Parrott, wife of T. Holman becoming its first mayor. The town suffered another setback that year when a yellow fever epidemic claimed about one life out of every eight residents. Yet it persisted as a commercial center, forming a symbiosis with its Gulf Coast port, Galveston. Landlocked farmers brought their produce to Houston, using Buffalo Bayou to gain access to Galveston and the Gulf of Mexico. Sizable numbers, however, came through the domestic slave trade. New Orleans was the center of this trade in the Deep South, but slave dealers were in Houston. Thousands of enslaved blacks lived near the city before the Civil War. Many of them near the city worked on sugar and cotton plantations, while most of those in the city limits had domestic and artisan jobs. In , the community established a chamber of commerce in part to promote shipping and navigation at the newly created port on Buffalo Bayou. By , Houston was the railroad center of Texas. In , after Galveston was struck by a devastating hurricane , efforts to make Houston into a viable deep-water port were accelerated. Petrochemical refineries and manufacturing plants were constructed along the ship channel because of the demand for petroleum and synthetic rubber products by the defense industry during the war. Navy during World War II. Due to the boom in defense jobs, thousands of new workers migrated to the city, both blacks and whites competing for the higher-paying jobs. President Roosevelt had established a policy of nondiscrimination for defense contractors, and blacks gained some opportunities, especially in shipbuilding, although not without resistance from whites and increasing social tensions that erupted into occasional violence. Economic gains of blacks who entered defense industries continued in the postwar years. Anderson Foundation formed the Texas Medical Center. In , the city annexed several unincorporated areas, more than doubling its size. Houston proper began to spread across the region. Johnson Space Center in During the late s, Houston had a population boom as people from the Rust Belt states moved to Texas in large numbers. With the increase in professional jobs, Houston has become a destination for many college-educated persons, including African Americans in a reverse Great Migration from northern areas. In , Houstonians elected Lee P. The storm cost billions of dollars in damage and killed 20 people in Texas. This was the largest urban evacuation in the history of the United States. During its recent history, Houston has flooded several times from heavy rainfall, which has been becoming increasingly common. Most of Houston is located on the gulf coastal plain , and its vegetation is classified as temperate grassland and forest. Much of the city was built on forested land, marshes, swamp, or prairie and are all still visible in surrounding areas. Buffalo Bayou runs through downtown and the Houston Ship Channel , and has three tributaries: The ship channel continues past Galveston and then into the Gulf of Mexico. The adjoining prairie land drains into the city which is prone to flooding. These sediments consist of a series of sands and clays deposited on decaying organic marine matter, that over time, transformed into oil and natural gas. Beneath the layers of sediment is a water-deposited layer of halite , a rock salt. The porous layers were compressed over time and forced upward. As it pushed upward, the salt dragged surrounding sediments into salt dome formations, often trapping oil and gas that seeped from the surrounding porous sands. The thick, rich, sometimes black, surface soil is suitable for rice farming in suburban outskirts where the city continues to grow. No significant historically recorded earthquakes have occurred in Houston, but researchers do not discount the possibility of such quakes having occurred in the deeper past, nor occurring in the future. Land in some areas southeast of Houston is sinking because water has been pumped out of the ground for many years. It may be associated with slip along the faults; however, the slippage is slow and not considered an earthquake, where stationary faults must slip suddenly enough to create seismic waves.

Chapter 3 : Heathrow Airport - Wikipedia

Simulators VIII: proceedings of the SCS Eastern Multiconference, April , New Orleans, Louisiana.

Learning and training process, comprising: Process according to claim 1, characterized in that the meta labels are structured XML meta labels 3. Process according to claim 1 or 2, characterized in that the comparison step comprises deducing actions forgotten by the learner in relation to those carried out by the referent 4. Process according to any of the previous claims, characterized in that the comparison step comprises deducing unnecessary actions done by the learner in relation to those carried out by the referent. Process according to any of the previous claims, characterized in that the comparison step comprises comparing the sequence in which problems of the exercise were solved. Process according to any of the previous claims, characterized in that the comparison step comprises expressing in percentage a variance between referent results and the learner results. Process according to any of the previous claims, characterized in that the exercise is created by the referent. Process according to any of the previous claims, characterized in that the reference traces are created by the referent according to the following steps: Process according to any of the previous claims, characterized in that the meta labels of the learner traces are memorized in a learner trace file, and in that the meta labels of the referent traces are memorized in a referent trace file, the files containing only key words which are independent of the learner language. Process according to any of the previous claims, characterized in that the exercise comprises one or more problems to solve. Process according to claim 11, characterized in that the referent traces comprise at least one trace corresponding to an action that is not necessary to solve the one or more problems. Process according to claim 11 or 12, characterized in that the exercise contains a set of sequential situations, each situation containing one or more problems to solve, the learner having to solve each problem in a situation before moving on to the next situation. Process according to claim 13, characterized in that it comprises, at the end of each situation, generating a summary for that situation including the results of the learner concerning this situation. Process according to any of the previous claims, characterized in that it comprises a display of both reference and learner traces at the same time. Process according to any of the previous claims, characterized in that the comparison step comprises the use of a template file specifying a precision level for comparing the learner traces to the reference traces. Process according to any of the previous claims, characterized in that it is implemented for the graphic arts industry as a print simulator. Learning and training system implementing a process according to any one of the previous claims. Technical field The present invention relates to a learning and training process, and to a system implementing this process. Typically, a process or system according to the invention can be used for learning: State of the Art Systems and processes for learning how to control an industrial process already exist. Such a system typically comprises a computer simulating the industrial process through simulation exercises, and generating traces for each action of a learner trying to solve one of the exercises. Nevertheless, a teacher spend a lot of time for reading and studying the traces, in order to check if the exercise has been correctly solved and to see what are the difficulties of the learner. The goal of the invention is to present a process and system for providing a more efficient learning and training. Summary of the Invention An aspect of the invention concerns a learning and training process, comprising: The referent can be an instructor, a trainer, a training coordinator, a normative user, an expert, an average user or a student typically the best student among a group of students. The learner or Trainee is typically a student. The meta labels are preferably structured XML meta labels. The comparison step can comprise: The exercise can be created by the referent. The reference traces can be created by the referent according to the following steps: The exercise can comprise one or more problems to solve. The referent traces can comprise at least one trace corresponding to an action that is not necessary to solve the one or more problems. The exercise can contain a set of sequential situations, each situation containing one or more problems to solve, the learner having to solve each problem in a situation before moving on to the next situation. The process according to the invention can comprise, at the end of each situation, generating a

summary for that situation including the results of the learner concerning this situation. The process according to the invention can comprise a display of both reference and learner traces at the same time. The process according to the invention can be implemented for the graphic arts industry as a print simulator. Another aspect of the invention concerns a learning and training system implementing a process according to the invention. More precisely, another aspect of the invention concerns a learning and training system comprising: The system according to the invention can comprise means for creating the exercise. The system according to the invention can comprise: The system according to the invention can comprise means for, at the end of each situation, generating a summary for that situation including the results of the learner concerning this situation. The system according to the invention can further comprise means for filtering the displayed traces in order to display the traces: The comparison means can comprise means for using a template file specifying a precision level for comparing the learner traces to the reference traces. The system according to the invention can be a print simulator. Detailed description of the figures and of realization modes of the invention Other advantages and characteristics of the invention will appear upon examination of the detailed description of embodiments which are no way limitative, and of the appended drawings in which: Figures 1 and 2 are schematic view of a process according to the invention, Figure 3 illustrates part of a learner trace file generated by a process according to the invention, and Figures 4 to 12 illustrate various displays implemented by a process according to the invention. Referring to Figures 1 to 12, we will now describe a process according to the invention for automatically comparing the outputs of interactive learning systems so as to analyze the solution path of a trainee also named learner with regard that of a referent or "normative" user expert, "average user", instructor, training coordinator, best student among a group of students, etc , and a system according to the invention. The system according to the invention takes as input the output from the learning system sessions and provides as output a variable depth analysis of the comparative results in such a manner as to enable the instructor to have a "quick overview" of all the trainee results compared to the "norm", and then to further analyze and compare any pair of results to see where they vary. These results are then used to "re-orient" the trainee if necessary or to validate their progress so that they may move on to the next stage of their learning process according to the invention. The current example is oriented towards systems which teach problem-solving for process control operators, and more particularly the printing and packaging process fields. The invention also covers a system which implements the process according to the invention. Examples of such meta-labels are: Depending on the simulated process, the meta-labels can be changed without affecting the underlying solution methods to this general problem of comparing output from interactive learning systems simulators, other interactive e-learning systems, etc. General Overview of System Architecture The simulator system 6 according to the invention comprises: As illustrated in figures 1 and 2, the preferential realization mode of the process according to the invention comprises the successive following steps A, B and C: The Instructor or Training Coordinator creates a problem 4 to be solved, more precisely at least one problem to be solved. This at least one problem is part of an exercise 5. The contents of the exercise 5 are linked to the learning goals at that stage and for that student or group of students. The problem definition is loaded by the learning system 6 for example, the press training simulator 2: The user solves the exercise 3: During this learning and problem-solving session, the learning system 6 memorizes all the traces 7 of the resolution and attaches structured XML meta labels to them. The Student or learner or trainee tries to solve the exercise: The problem definition is loaded by the learning system 6 for example the press training simulator 2: During this learning and problem-solving session, the learning system memorizes all the traces 8 of the resolution and attaches structured XML meta labels to them This is clearly the same set of steps as those followed by the instructor. The instructor analyzes the solution steps for the student by using the Trace Comparison System 6. The instructor decides which set of traces to compare and analyze: These two sets of traces are loaded by the system 6. The instructor can then analyze the results of the trace comparison by using the system 6 in one or more of the following modes: See figure 2 for illustration. Advantages of this system: The flexibility of the meta label definitions; which can be adapted to various subject domains and applications,

makes it extremely easy to evolve and enrich the system 6. The examples shown below have been implemented for the graphic arts industry, and in particular for a line of training simulators, but is obvious that the same type of approach can be applied to other learning systems which produce traces for later analysis. Meta Labels Our invention uses a set of meta labels which are independent of the type of problem to be solved. These meta labels structure the learning session traces in 3 sections: The Header 9 contains all the contextual information about the exercise: In this implementation the user learner or referent has to solve each problem in a situation 12 before moving on to the next situation The same structural aspects are found in the metalabels, Exercise, Situation, Problem, User Action, etc. The Costs of the situation: Statistics on number of user actions, number or machine stops, etc. The overall session summary will include the subtotals for each situation. For the problem solving, a large proportion of the meta labels can be domain specific. If we take the example of print simulators our first and preferred implementation of this invention , we have defined the following high level categories for User Actions: Summary of Trace Types and Structures: The system allows a global overview and synthesis of the learning session traces for a given exercise. The system permits the instructor to get a quick overview of the learner results, and thus decide what the strengths and weaknesses of a particular learner may be, and which learners are having the most problems and need the most immediate attention. Navigation functions within the trace files: One of the primary functions is to allow navigation visualization at different file positions. More generally, with regard to the full set of traces and their labels, each type of meta label can be "unfolded" or "refolded" so that the full levels of detail are visible. The user traces; in whatever their current level of display, can be saved at any time to external text files for later treatment or consultation. The instructor can also "position" themselves in the trace file in respect to a specific type of meta-label and level of detail; when these are chosen in either the reference or user traces, the system then displays the same sort of data in the other trace file. Of course if the information is NOT present in the other file, there will be no corresponding display. In our initial application domain print simulators , one of the basic comparison points is the display of the simulated output. It is at this time that the learning program automatically generates a list of current production problems. This list includes both problems due to the predefined exercises and those which have been caused by user action or inaction. By comparing the problems present in these lists between two displays of the output , the system deduces the problems solved in the interval between the two displays. By then comparing the actions of the reference and learner traces, the system deduces those which are common to both and those which are not. For each problem resolution step, the system can thus deduce: In addition, the system does a direct comparison of the summary information of each situation, and of the exercise as a whole, expressing in percentages the learner results number of actions, costs and the variance between the referent and the learner. First Example of System use We are now going to describe a first example of use of the system 6.

Chapter 4 : Six Flags Over Texas - Wikipedia

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The airport is the primary hub of British Airways and is a base for Virgin Atlantic. It has four passenger terminals numbered 2 to 5 and a cargo terminal. As the required length for runways has grown, Heathrow now has only two parallel runways running eastâ€"west. These are extended versions of the two eastâ€"west runways from the original hexagram. From the air, almost all of the original runways can still be seen, incorporated into the present system of taxiways. There is a multi-faith prayer room and counselling room in each terminal, in addition to St. The chaplains organise and lead prayers at certain times in the prayer room. N in the north e. Newall Road , E in the east e. Elmdon Road , S in the south e. Stratford Road , W in the west e. Walrus Road , C in the centre e. Flight movements[edit] Aircraft destined for Heathrow are usually routed to one of four holding points. Air traffic controllers at Heathrow Approach Control based in Swanwick, Hampshire then guide the aircraft to their final approach, merging aircraft from the four holds into a single stream of traffic, sometimes as close as 2. Considerable use is made of continuous descent approach techniques to minimize the environmental effects of incoming aircraft, particularly at night. When runway alternation was introduced, aircraft generated significantly more noise on departure than when landing, so a preference for westerly operations during daylight was introduced, which continues to this day. To further reduce noise nuisance to people beneath the approach and departure routes, the use of runways 27R and 27L is swapped at When landings are easterly there is no alternation; 09L remains the landing runway and 09R the departure runway due to the legacy of the now rescinded Cranford Agreement , pending taxiway works to allow the roles to be reversed. Occasionally, landings are allowed on the nominated departure runway, to help reduce airborne delays and to position landing aircraft closer to their terminal, reducing taxi times. Night-time flights at Heathrow are subject to restrictions. In addition, during the night quota period A voluntary agreement with the airlines that no early morning arrivals will be scheduled to land before A trial of "noise relief zones" ran from December to March , which concentrated approach flight paths into defined areas compared with the existing paths which were spread out. The zones used alternated weekly, meaning residents in the "no-fly" areas received respite from aircraft noise for set periods. Heathrow received more than 25, noise complaints in just three months over the summer of , but around half were made by the same ten people. Landing slot Until it was required to sell Gatwick and Stansted Airports, Heathrow Airport Holdings held a dominant position in the London aviation market, and has been heavily regulated by the Civil Aviation Authority CAA as to how much it can charge airlines to land. From to charges increased by inflation plus 6. In March , the CAA announced that the charge would be allowed to increase by The Bermuda bilateral agreement conflicted with the Right of Establishment of the United Kingdom in relation to its EU membership, and as a consequence the UK was ordered to drop the agreement in A new " open skies " agreement was signed by the United States and the European Union on 30 April and came into effect on 30 March The number of passengers using the airport reached a record 70 million in A tie-up is also in place with McLaren Applied Technologies to optimize the general procedure, reducing delays and pollution. It is difficult for existing airlines to obtain landing slots to enable them to increase their services from the airport, or for new airlines to start operations. Full body scanners are now used at the airport, and passengers who object to their use after being selected are required to submit to a hand search in a private room. Terminal 1 is a disused terminal that was closed in It formerly housed Star Alliance airlines along with some British Airways destinations. Terminal 1 defunct [edit] Main article: Terminal 1 closed at the end of June Its site is being used for an extension to Terminal 2, [34] which opened in June A number of newer boarding gates used by Terminal 1 had been built as part of the Terminal 2 development and are being retained as part of Terminal 2. British Airways was the last operator in Terminal 1. Two flights of this carrier, one departing to Hannover

and one arriving from Baku , marked the terminal closure on 29 June British Airways operations have been relocated to Terminals 3 and 5.

Chapter 5 : Obituaries - , - Your Life Moments

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Chapter 6 : Agency (NPS) History

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Chapter 7 : Houston - Wikipedia

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Chapter 9 : Louisiana - Wikipedia

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