

VIA UNIVERSITY COLLEGE

ICT ENGINEERING

Project Documentation

Cinema Booking System

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Background description

Online ticket reservation system is a type of a reservation system that offers the user to reserve a ticket over internet. This type of system appeared in the late 90's and the early 2000's. It's predecessor: the computer reservation system originated in 1946, when American Airlines installed the "Reservoir" machine. The system proved successful and soon it became popular amongst other airline companies as well. In the 80s the CRSs were extended to work globally, with more features, eventually becoming GDS(Global distribution systems). Yet the users still needed a travel's agent assistance when making a booking. With the arrival of the internet, IBEs(Internet booking engines) became popular. They feature a webpage/application connected to the company's server.

In present times, almost every travel, cinema or hotel company has the option of online reservations. Most of the hotel, cinema and travel companies have IBE systems. Examples of that are companies like: Wizzair, Trivago, Drosselbo, CinemaCity. These companies have a website or application that connects to the company's server, thus allowing the user to make, delete, modify or view his reservations and not reserved rooms/seats.

The popularity of these system is based on the fact that to make a reservation the user needs only few seconds and that this type of reservations save time, money and confusion for the company.

Purpose

The purpose of this Project is to create simple IBE application that users can use to make reservations for Via Cinema , logging only with their name without making an account.

Problem formulation

The aim of this project is to make a simple application where the user can make a reservation for cinema tickets. The users can interact with the database over the client/server system. When logged in, the user can manage his own reservations and have access to cinema movie schedules(projections). The server will be responsible for collecting data from the cinemas database, which will contain the information of the reservation details.

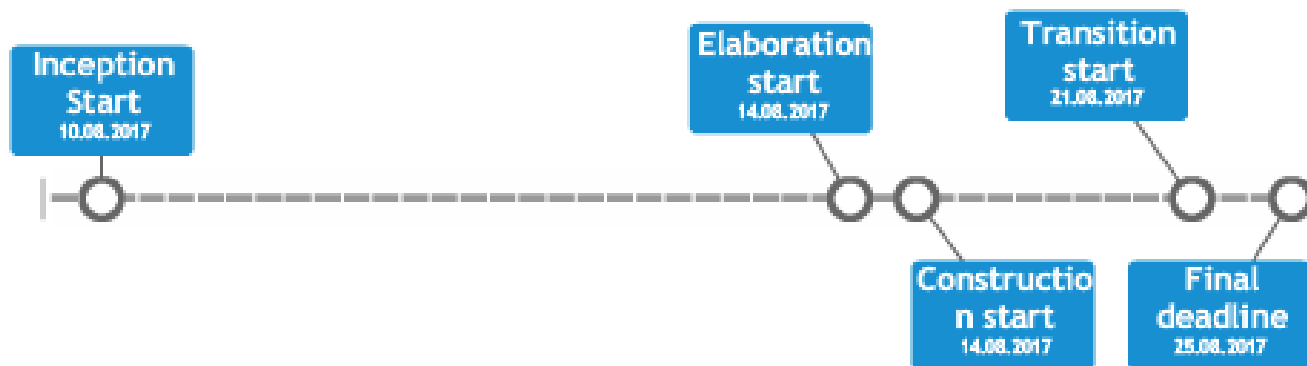
Delimitation:

- The user should be able to use his name to "log -in " by writing his name in the system and then use its commands.
- The user should be able to manage only his reservations.
- The data should be saved to database.
- The system won't let the users to make incorrect reservations.

Time schedule

The project is supposed to be done in 120 hours, 40 hours per sprint. The project is developed using UP as method. Scrum will be used to manage the tasks and keep track of the progress

The plan is estimated as in the following image



Inception phase will start on the 10th of August, and will end on the 14th. The elaboration phase lasts only one day, and will start and end on the 14th of August. Also in the 14th, the construction phase starts, which will last until the 21st. On the 21st, the transition phase starts, which lasts until the final deadline which is on the 25th of August.

References

Computer reservation system available at:

https://en.wikipedia.org/Computer_reservation_system

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