Course: EECS 3461
Professor: Melanie Baljko
Assignment #: 02

Student 1: Akalpit Sharma (212650628)
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Component #: 04

AIR-LINE RESERVATION SYSTEM

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Component 4: Interaction design in practice

The purpose of the interaction design is to benefit the user or the customer by making an interactive method for the ticket reservation. The interface design, architecture design and prototyping tasks are described by the user experience (UX) design.

AgileUX

The interaction design contains the process and techniques and these are integrated and a collective label is given in order to resolve the concerns. In AgileUx the requirements are specified by the Waterfall model. The essential requirements are specified before the implementation of the system. The requirement are specified in detail for the initial stage of the design implementation. As the implementation proceeds the requirements are provided in detail. The end user needs and the solution to attain the end user need is given in the AgileUX

LeanUX

For the production of the minimum viable product LeanUX is used. An evolutionary development is done with the help of LeanUX.

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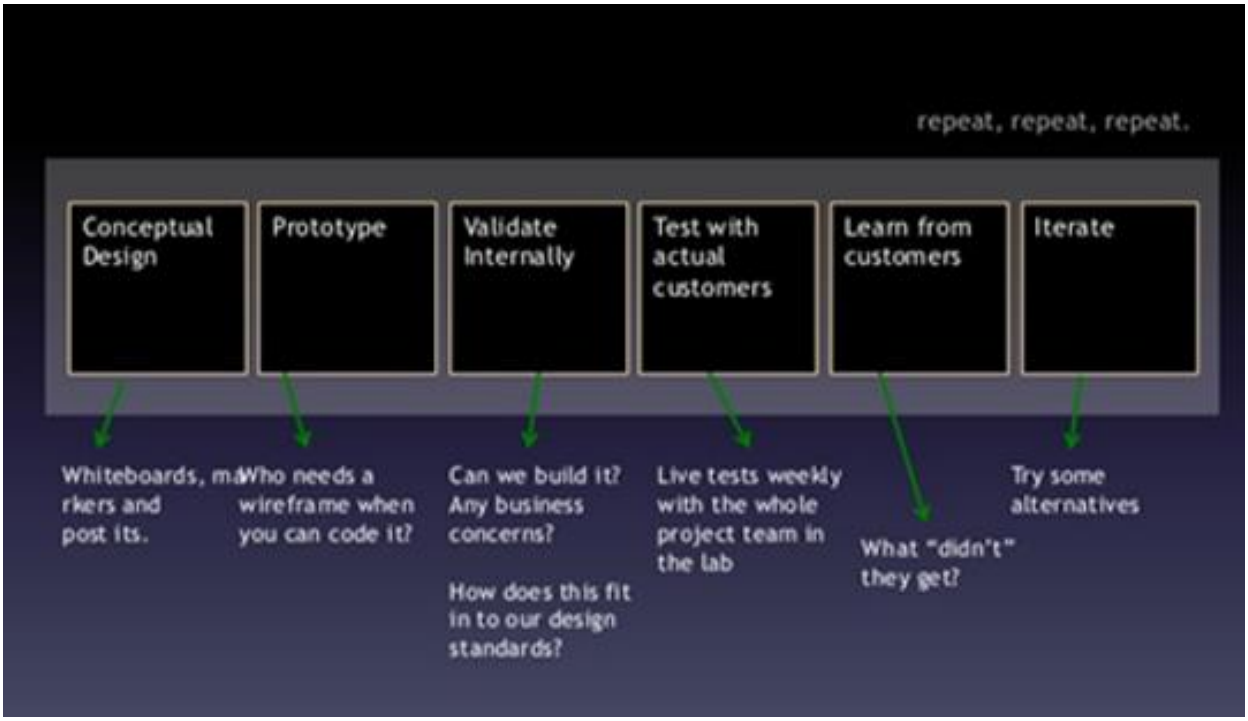

LEAN UX PROCESS

Mockup tool

A visual design of the airline reservation system is done by the mockup tool. The mockup tools are static hence the information structure of the reservation system is explained clearly. The basic functionalities of the reservation system are represented in a static manner.

Balsamiq Mockups

The required conceptual design's software mockups can be created in minutes by using the Balsamiq tools. This helps to focus on creating our product and finely integrated with JIRA and confluence

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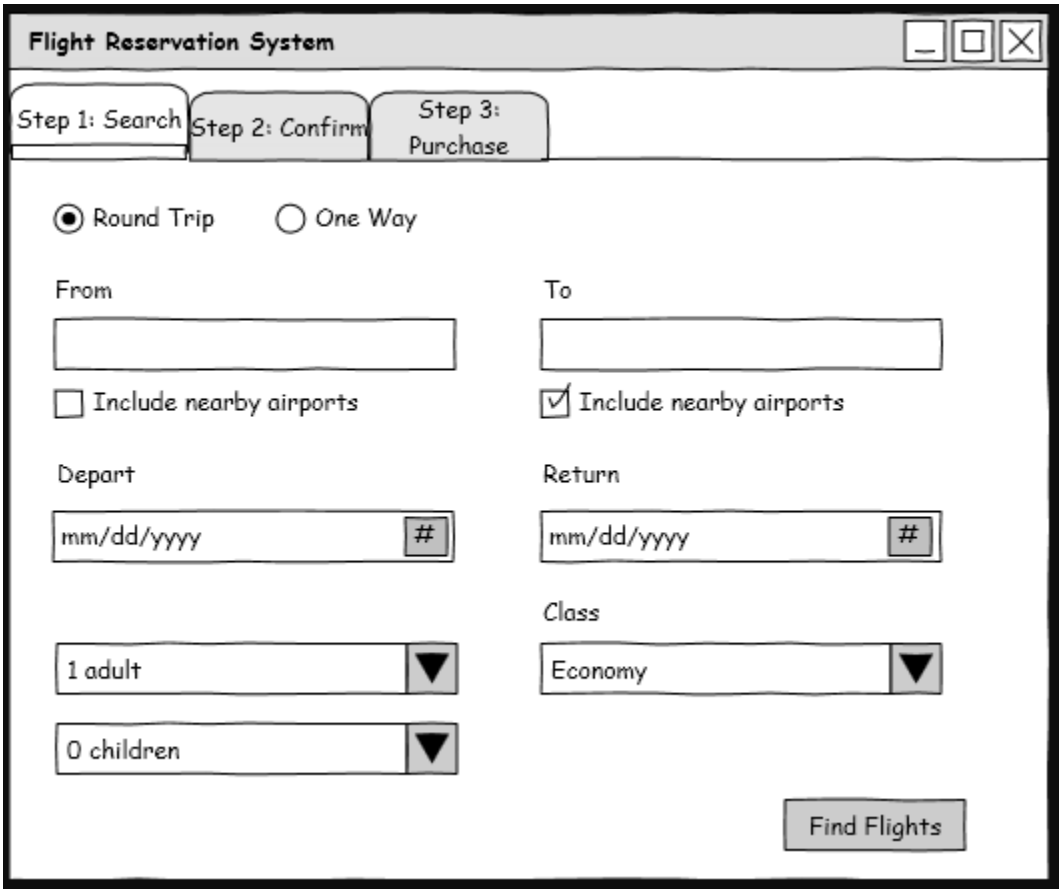

BALSAMIQ DIAGRAM

The mockup tool initially designed for flight reservation system. The above design of the flight reservation system contains the button, text boxes, radio button and check boxes. It has option like,

- from
- to

For the customer easy accessing process. The user can view the passenger details and booking details of flight reservation system. The user can fill the number of person accompanying with them. The user can search for the flights whenever they need.

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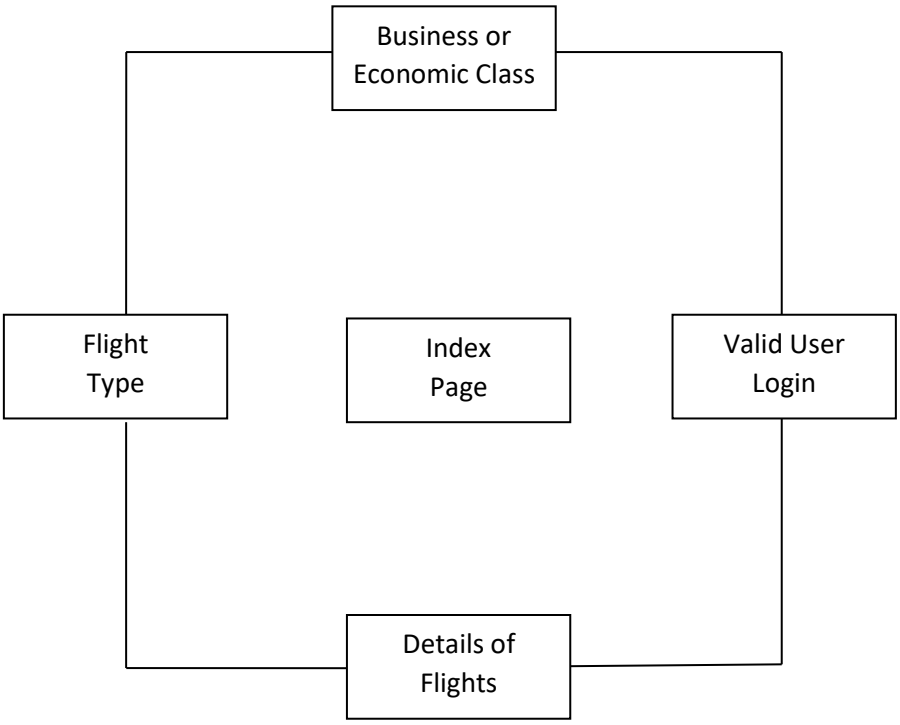
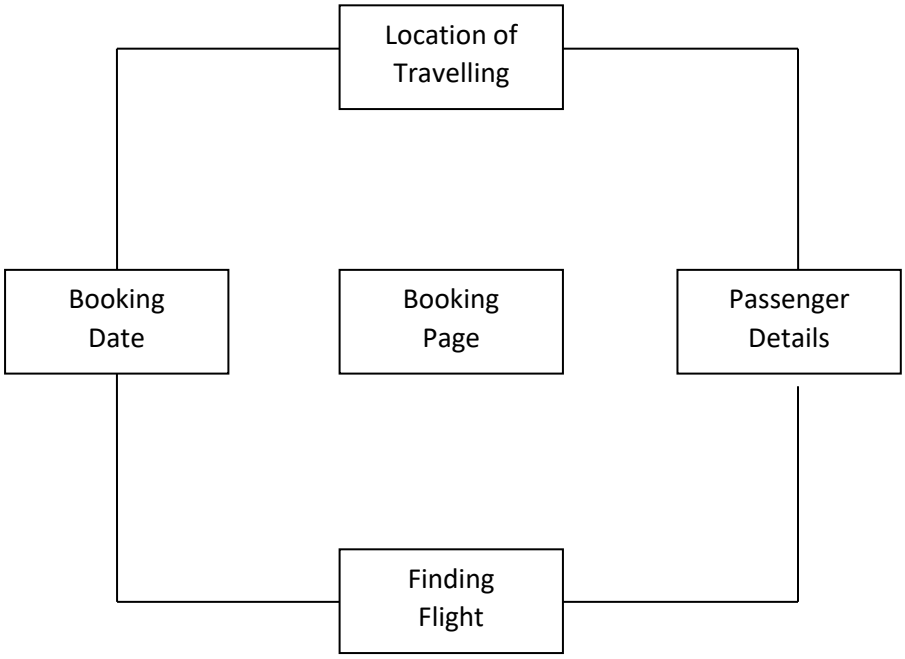
The below diagram shows software based proto type of the flight reservation system.





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The user can perform operations which is shown as a software prototype above. With the help of the mock up tool, the project is implemented. The mock up tool is used.

The mock up initial view clearly explained in the document.

In that, specifically, mock up tool is used. The design is generated based on the system for Flight reservation system, this is much helpful for the user to have an easy access the interaction patterns are made clear with the description above.