

# **LAB ASSIGNMENT**

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## **SDLC PHASES AND THEIR REQUIRED TOOLS. & ACTIVITY /SEQUENCE DIAGRAM**

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# Project :

## Airline Management System.

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### Phases:

- Analysis phase.
- Designing phase.
- Database Management phase.
- Project Management phase.
- Documentation.

### 1. ANALYSIS PHASE :

Tools that can be used :

Tools	Functionality
Process street	Free regular workflow scheduling.
Visure	Reduction total life-cycle costs.
Jama	Jama tool is best for projects with waterfall.

Our analysis tool : Process street.

## 2. DESIGNING PHASE :

Tools that can be used :

Tools	Functionality
Visual Paradigm	Visual Paradigm is a UML Case tool supporting UML 2 ,SysML and Business process modeling notation from the Object Management Group. In addition to modeling support , it provides report generation and code engineering capabilities including code generations.
Lucid Chart	Lucidchart is a web-based commercial service which allows users to collaborate and work together in real time to create flowcharts, organizational charts, website wireframes, UML designs, mind maps, software prototypes, and many other diagram types.
MS Visio	It is a diagramming and vector graphics application and is part of the Microsoft Office family.

Our design tool : MS Visio.

## 3. DATABASE MANAGEMENT PHASE :

Tools that can be used :

Tools	Functionality
MS SQL server	In this there are two DBMS sets of tools DBAs and developers : SQL server data tools, for use in developing databases, and SQL Server Management Studio, for use in deploying, monitoring and managing database.
Oracle	Oracle Database is multi-model database management system produced and marketed by Oracle corporation . Commonly used for running online transaction processing, data warehouse and mixed database workloads.
MS Access	Is a database management system from Microsoft that combines the relational Microsoft Jet Database Engine with a graphical user interface and software-development tools.

Our Database Management Tool : MS Access.

#### 4. PROJECT MANAGEMENT PHASE :

Tools that can be used :

Tools	Functionality
Teamwork	For teams of all size that need more robust levels of security.
Workfront	It has features of enterprise work management, issue tracking, document management tracking, time tracking and portfolio management.
MS Project	MS Project is standard tool for maintaining the project plan.

Our Project Management tool : MS Project

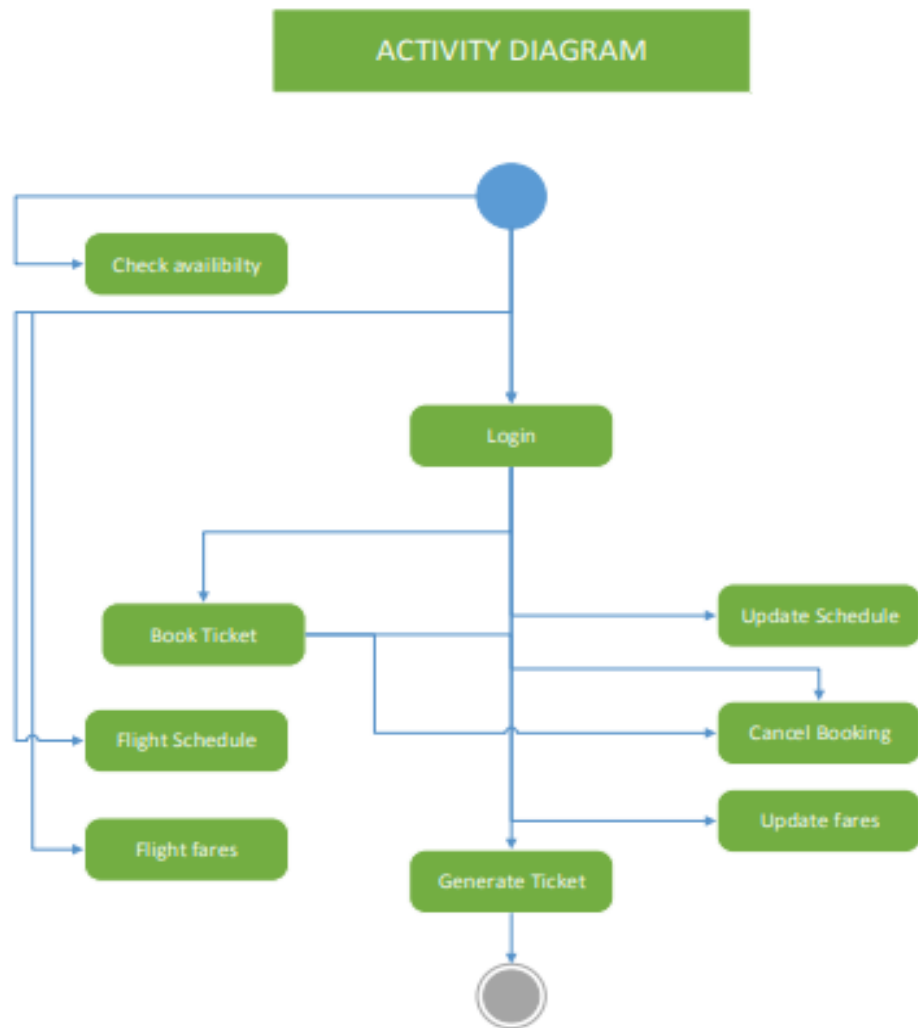
## 5. DOCUMENTATION TOOL :

Tools that can be used :

Tools	Functionality
Share point	Share point is primarily sold as a document management and storage system, but the product is highly configurable and usage varies substantially between organizations.
Google Docs	Google Docs is a free Web-based application in which documents and spreadsheets can be created, edited and stored online. Files can be accessed from any computer with an internet connection and a full-featured Web browser.
MS Word	MS Word is used for manipulate a text document, such as a resume or a report. Software provide tools for editing, deleting and various types of formatting.

Our Documentation tool : MS Word.

## ACTIVITY DIAGRAM:



## SEQUENCE DIAGRAM:

