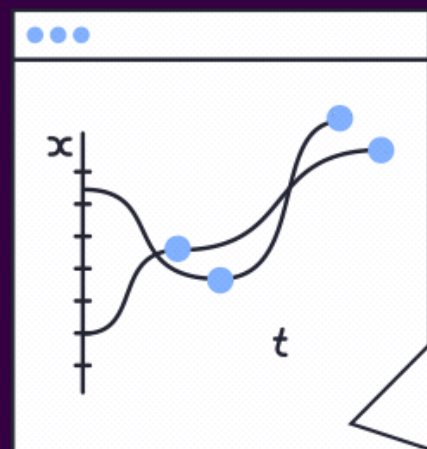


# SOFTWARE PROJECT LAB-I

## Project Proposal Presentation

Project Name:  
**BookMate**



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## **BookMate- Automated Library Assistant Tool**

**Supervised By:**

**Md Hasan Imam Shahed**  
**Lecturer**

**Institute of Information Technology**  
**Noakhali Science & Technology University**

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# INTRODUCTION



## Library Assistant Tool

**An automated tool which will help readers to select popular books and assist librarian to add or remove book according to the assumption & statistical report**



# PROJECT GOAL

➔ Solve real-world problems (Readers as well as librarian problems)

➔ Recommend books effectively for readers as well librarian/Bookshop owner

➔ Analyze 200+ books data for recommendation

➔ Combine different types of functionality in a single application.

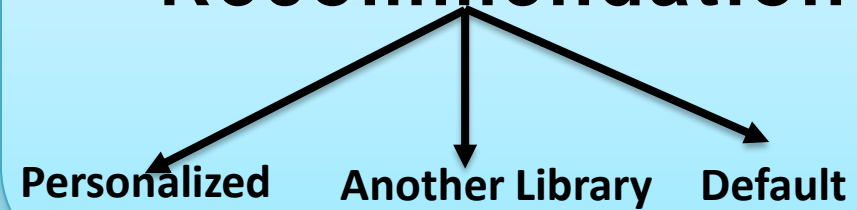
# MOTIVATION

- ❖ Readers ask questions frequently to the librarian about books which is a manual process.
- ❖ It's nearly impossible to store the record of readers choice .
- ❖ No such automated tool in the existing manual system.
- ❖ Applying BI(Business Intelligence) effectively to take correct decisions.



# FEATURES

## Book Recommendation



**Graphical view of raw data**

**Assumption of Reader's Demand**

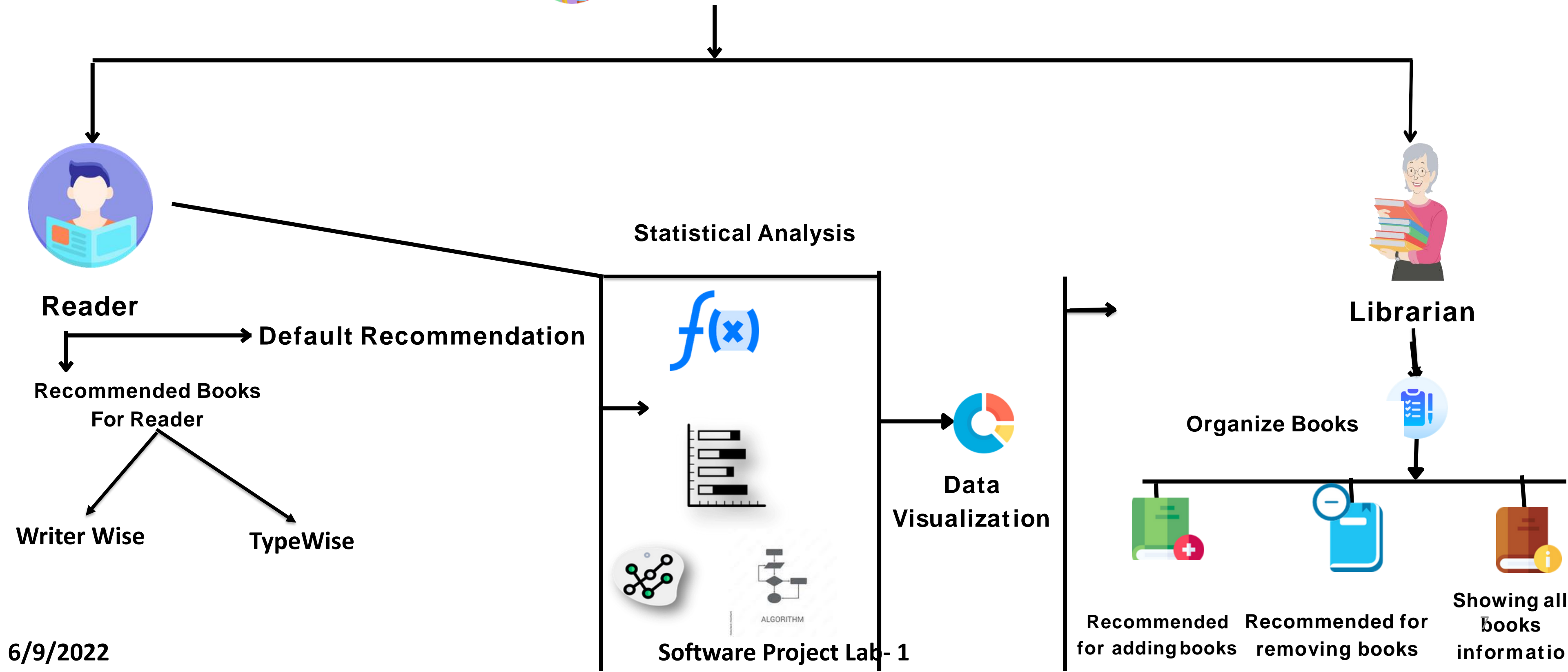
**Adding/Removing Book Based on Recommendation**



# GRAPHICAL DIAGRAM



BookMate



# Models ,Tools & Languages

## Model



→ Requirements are fixed

→ As requirements are very well understood so easy to manage

## Languages

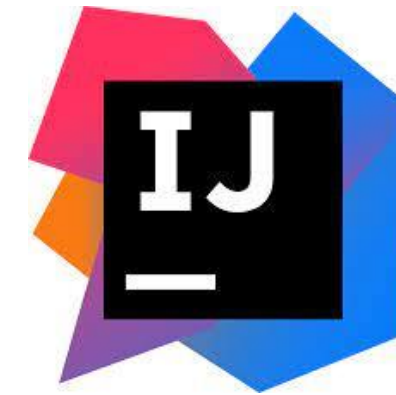


Java



JavaFx Framework

## Tools



IntelliJ(IDE)



Eclipse(IDE)





# Proposed Timeline

Submission

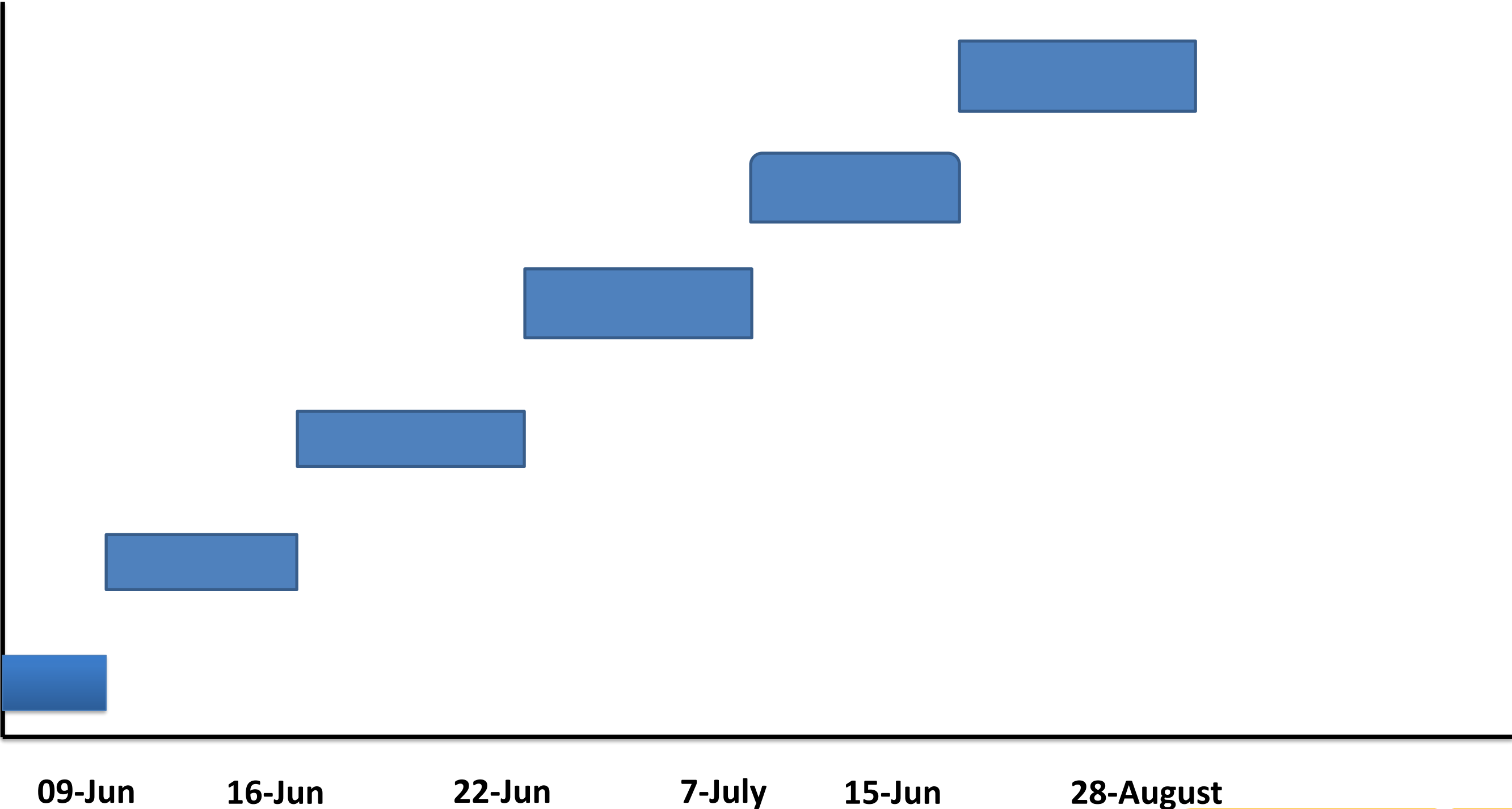
Integration & Testing

Implementation

System Design

Requirements Gathering

Project Proposal





# CHALLENGES

- ❖ **Designing ,modeling, and Planning for UI of the project through Java FX**
- ❖ **Understanding decision support systems and planning for implementation**
- ❖ **Experiment and Analyze the huge number of data and bring the best output.**
- ❖ **Completely new Idea as well as it will be challenging.**
- ❖ **Careful while using file handling for lots of data**



## Question & Answering

THANK  
YOU