TO – DO LIST PROJECT

The To-Do List project is a software application that helps users keep track of their tasks and manage their time more efficiently.

Team Details

LMS USER NAME	Name	Batch
2104a1461	Sailesh V	A13 - 15
2104a1456	Udaya Keerthi K	A13 - 15
2104a1432	Kishore V S	A13 - 15
2104	Prem Kumar B	A13 - 15

Introduction

The To-Do List project is a software application that helps users keep track of their tasks and manage their time more efficiently.
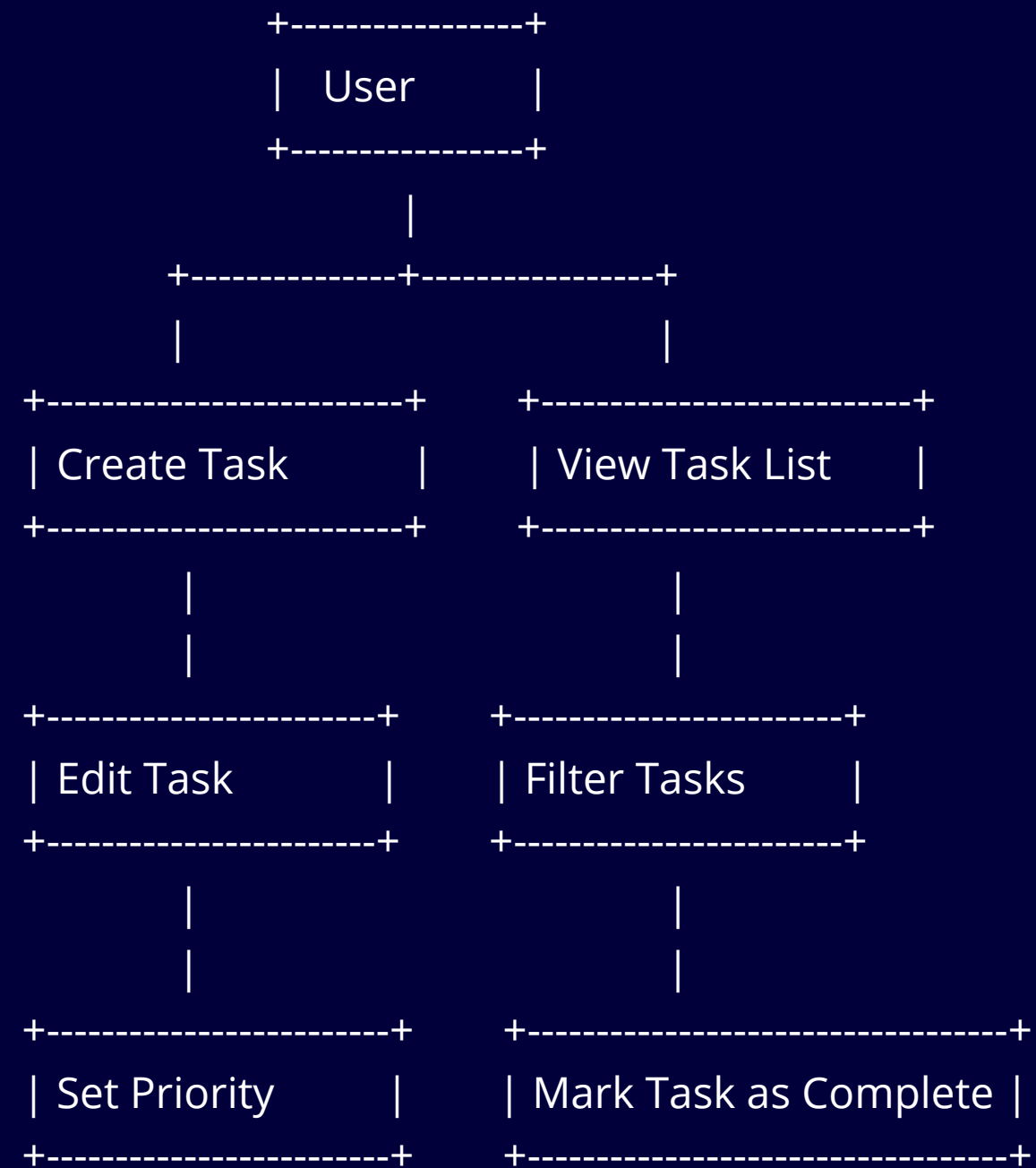
The application will allow users to create new tasks, set deadlines, prioritize tasks, and mark tasks as complete.

The application will be designed for use on desktop and mobile devices.

Functional Requirements:

1. User Registration
2. Login
3. Creating Tasks
4. Editing Tasks
5. Prioritizing Tasks
6. Marking Tasks as Complete
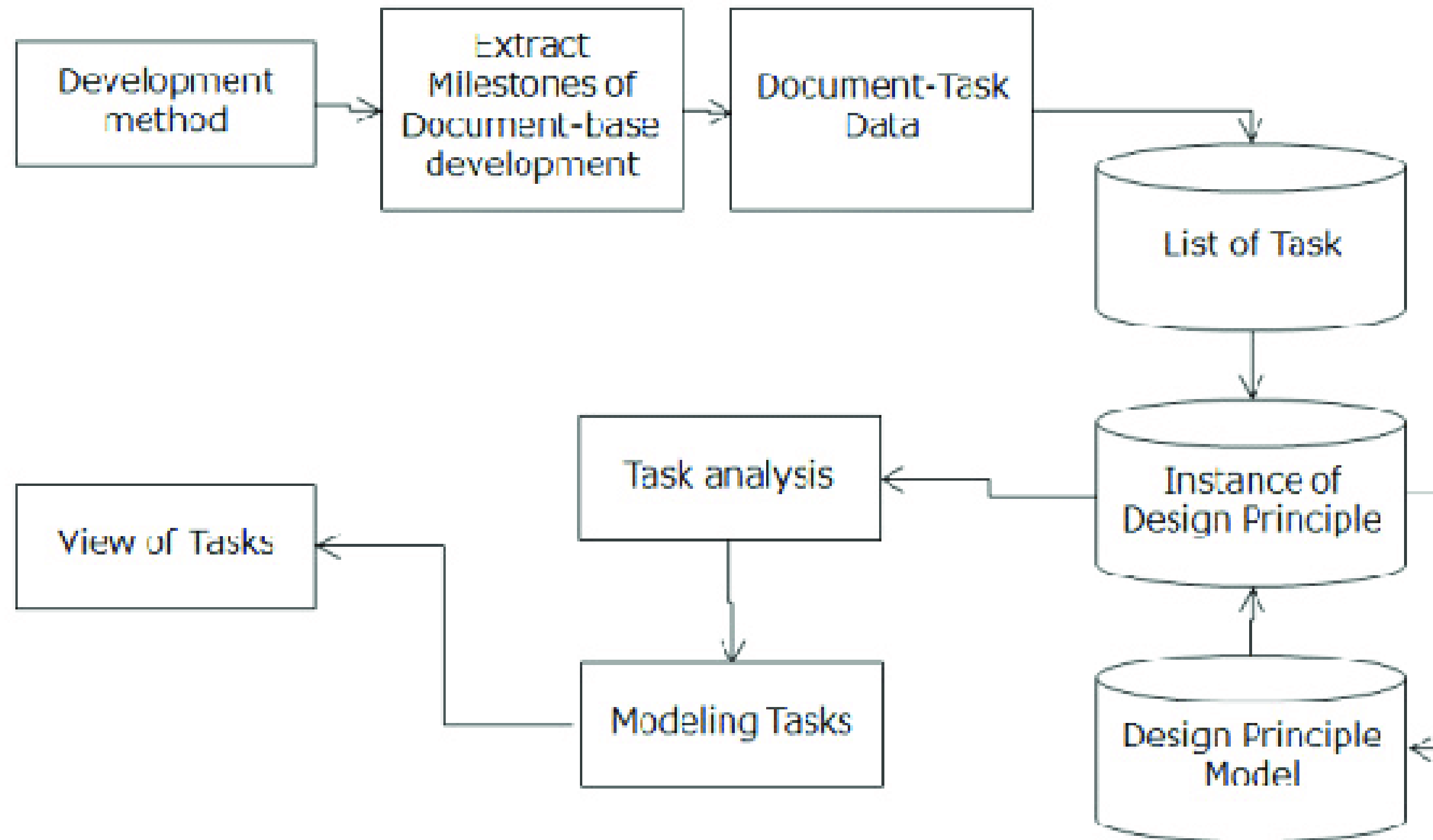7. Filtering Tasks
8. Notifications

Use Case Diagram

```
+-----------------+
|  User           |
+-----------------+
         |
         |
+---------------+---------------+
|                               |
|                               |
+-----------------------+   +---------------------------+
|  Create Task          |   |  View Task List           |
+-----------------------+   +---------------------------+
         |                               |
         |                               |
+---------------------+       +-----------------------+
|  Edit Task          |       |  Filter Tasks         |
+---------------------+       +-----------------------+
         |                               |
         |                               |
+---------------------+       +-----------------------------------+
|  Set Priority       |       |  Mark Task as Complete            |
+---------------------+       +-----------------------------------+
```

Evaluation Metrics

- User Engagement
- User Satisfaction
- Error Rate
- Performance
- Retention Rate
- Conversion Rate

System Architecture

Submission Github

https://github.com/Saileshthedon/To-Do-List-Project

Learning Outcomes

- Understanding the software development lifecycle: Developing a To-Do List application requires going through the various stages of the software development lifecycle, including requirements gathering, design, development, testing, and deployment. Through this project, learners can gain a deeper understanding of the software development process and learn how to apply best practices to ensure the success of their project.

- Building a user-centered application: A successful To-Do List application must meet the needs and preferences of its users. Learners can learn how to conduct user research, gather feedback, and create user personas to design and build an application that provides value to its users.

- Working with databases: A To-Do List application typically involves storing tasks and their associated data in a database. Learners can gain experience working with databases, including creating database tables, defining relationships, and querying data.

Learning Outcomes

- Developing user interfaces: A To-Do List application must have a user-friendly interface that allows users to create and manage tasks easily. Learners can learn how to design and develop user interfaces using HTML, CSS, and JavaScript, and understand how to make their interfaces accessible and responsive.
- Implementing features: A To-Do List application can include various features, such as task prioritization, due dates, and reminders. Learners can learn how to implement these features using programming languages such as Python or JavaScript, and understand how to test their code to ensure it works correctly.
- Deployment and maintenance: Once the To-Do List application is developed, it needs to be deployed and maintained. Learners can learn how to deploy their application to a web server, configure the server environment, and monitor the application for errors and performance issues.

Conclusion

- The evaluation metrics for a To-Do List project should focus on user engagement, user satisfaction, stability, performance, and retention. By monitoring these metrics, project managers can identify areas for improvement and make changes to ensure the success of the project.

- Overall, a To-Do List project provides learners with a practical experience in software development and helps them develop skills in user-centered design, database management, user interface development, feature implementation, and deployment and maintenance.