**DESIGN PHASE DOCUMENT**

**OF**

**PROJECT MANAGEMENT SYSTEM**

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**ABSTRACT**

Project Management System is a project which aims in developing a computerized system to maintain all the daily events going in an individual’s life. It also has a facility of uploading images with the description of events. It also has a feature of login and sign up, with this a user is able to upload their events along with images. It also has a feature of liking images.

Overall, this project is being developed to help the user to maintain all the events with images in the best way possible and also reduce the human efforts.

* **INTRODUCTION**

Project Managemnet System is a term for computer-based system that manage the events in an individual’s life. The main purpose of this system is to manage the daily events in user’s life and keep their thoughts organized.

* **PROJECT AIM AND OBJECTIVES**

Project Managemnet System can be used to keep your thoughts organized, set and achieve goals and record ideas easily.

Objectives of Project Managemnet System

* To build a system that can receive input and generate automatically output in easy way and short time.
* Provide simple user interface
* To build a system which is capable of storing user’s events, data, ideas with images attached to it.
* Providing different diary to every individual separated with user login authentication.
* User can edit and delete the existing post
* Timer on the post which shows the time and date when the post was uploaded
* **USER REQUIREMENTS**

The application has a very simple user interface so that anyone can use the application.

By using Project Managemnet System , the operation of maintaining a daily diary will be paperless. This System provides a user-friendly data entry with feature of uploading image, liking the post, editing the post and also deleting the post if not needed.

The system will store all the posts according to the email login system, so that every user is able to make their own digital diary.

* **BACKGROUND OF PROJECT**

Project Managemnet System is an application which refers to a daily diary writing system which are generally small and medium size. It is used by an individual to post their ideas, daily life events, goals to a Firebase database.

Upload date and time, user email, login authentication is also included in this system which will keep track of the users using this system. With this digital system there will be no loss of data and it will be a lot easier to store the data.

The posts which user made are also uploaded to the Firebase database and user is also able to edit or delete the post whenever they want. A user can also like the posts of other users, there is also a like counter added to all the posts.

* **OPERATION ENVIRONMENT**

|  |  |
| --- | --- |
| PROCESSOR | INTEL CORE |
| OPERATING SYSTEM | WINDOWS |
| HARD DISK SPACE | MINIMUM 3 GB FOR FUTURE USE |
| MEMORY | 1 GB OR MORE |
| DATABASE | Firebase |

* **SYSTEM ANALYSIS**

Here, we will discuss and analyze about the developing process of Project Management Systemincluding software requirement specification (SRS) and comparison between existing and proposed system. Besides that, existing vs proposed provides a view of how the proposed system will be more efficient than the existing one.

* **SOFTWARE REQUIREMENT SPECIFICATION**
* **PRODUCT DESCRIPTION**

Project Management Systemis a computerized system which helps user to manage Daily Diary in electronic format. It reduces the risk of paper work such as file lost, file damaged and time consuming.

* **PROBLEM STATEMENT**

The problem occurred before having computerized system includes:

**Diary lost**

When computerized system is not implemented, User can lose his/her diary.

**NOT EASY TO ADD IMAGES**

It is not easy to add images in a physical diary.

**PROBLEM STATEMENT OBJECTIVE**

Improvement in control and performance the system is developed to cope up with the current issues and problems of maintaining a diary. This system will also save time and money.

* **SYSTEM REQUIREMENTS**
* **NON-FUNCTIONAL REQUIREMENTS**
* **EFFICIENCY REQUIREMENT**

After the implementation of this system, it will be lot easier for the user to maintain his daily tasks.

* **RELIABILITY REQUIREMENT**

The system should accurately perform user sign up, user login, uploading images, and making a post.

* **USABILITY REQUIREMENT**

The system is designed for user friendly environment so the user can understand the working of the system easily.

* I**MPLEMENTATION REQUIREMNTS**

In implementing whole system, it uses React and Material UI, for backend and database work Firebase is used.

* **FUNCTIONAL REQUIREMENTS**
* **USER LOGIN**

This feature used by the user to login into system. They are required to enter user id and password before they are allowed to enter the system. The user id and password will be verified and if invalid id is their user is not allowed to enter the system.

2.2 **REGISTER NEW USER**

It allows any new user to make new account in the system and it will be stored in database using Mongo DB.

-user have to enter username, password, email and confirm password to register as a new user.

2.3 **CREATE A POST**

-user have to login before he wants to make a post

- if entered id, password is correct only then he will be

Allowed to make a post.

* **SOFTWARE AND HARDWARE REQUIREMENTS**
* **SOFTWARE REQUIREMENTS**

FRONT END: React Js, Material UI, Bootstrap 5

OPERATING SYSTEM: Windows 11, Windows 10

LANGUAGE: BOOTSTRAP 5, REACT JS on Visual Studio

DATABASE: Firebase (back end)

* **HARDWARE REQUIREMENTS**

A system capable of running react js and Firebase server

* **DATA FLOW DIAGRAM**
* **DATA FLOW DIAGRAM FOR NEW USER SIGN-UP**



* **DATA FLOW DIAGRAM FOR USER lOGIN**



* **DATA FLOW DIAGRAM FOR POST UPLOAD**

