

Project Management Plan of EMS

1. Project Summary

1.1 Project Overview

This Enterprise Management System is a solution for an accountant who accounts the transactions of an Enterprise. It allows the user to enter the transaction details with relevant documents. The accountant can comment and update the status of a transaction. This web-based application will reduce paperwork and save time of an accountant and reduce manpower.

1.2 Project Scope

The web application provides a secured platform for an Enterprise where they can log in with a username and password and they can add/edit the transactions. Upon login, the user can view the details and status of the transactions.

The contents in a transaction are:

- Transaction ID
- Date
- Description
- Amount
- Type (credited/debited)
- Relevant documents (if necessary)

The web application also provides a login for an accountant. He can view the transactions of all the Enterprises he deals. He is also able to update the status of the transaction and comment on improper transaction (lack of documents etc).

The accountant can generate the Income Tax returns of an Enterprise.

1.3 Development Process

We follow the agile methodology of software development. The product will be developed in two sprints.

Sprint 1

The core modules will be developed in this sprint which would include the following functions:

1. User can add the transaction they had done with the following information (Transaction ID, date, description, amount, relevant documents).
2. User can edit the information of a previously entered transaction.
3. User can view the status of the transaction.
4. Accountant is able to view the transaction of all the Enterprises.
5. Accountant can update the status of each transaction for an Enterprise (valid/not valid).

Sprint 2

The following enhancements will be done in this sprint:

1. Enabling accountant to comment on an improper transaction for the complete information.
2. Enabling accountant to generate Income Tax returns of an Enterprise.

2. Requirements Specification

2.1 Functional Requirements

- Authentication
- Authorization
- Transaction adjustments
- Transaction validations
- Tax generation
- Commenting on transactions

2.2 Non-Functional Requirements

- Security
- Data Integrity
- Environmental
- Capacity
- Maintainability
- Manageability
- Accessibility

2.3 User Characteristics

The main users of this system will be Enterprise and accountant.

- Enterprise:
 1. This is a user-friendly application where the user should be able to turn on the system and open the web browser to login for add/edit a transaction.
- Accountant:
 1. The accountant should be able to login to his account and update the status of the transaction and comment on it (if the transaction is invalid).
 2. The accountant should have good knowledge in accounting.

2.4 General Constraints

- The users are limited according to accountant availability
- Login is required to access an account
- Documents are not mandatory for every transaction
- The documents cannot exceed 3MB
- The accountant has no access to adjust the transactions

2.5 General Assumptions and Dependencies

- Flask login
- WTForms
- SQL Alchemy
- Python libraries

3. Team Organization

The team comprises the following persons. We will have a small team, hence we use a flat team structure of peers with one person having an additional role of scrum master.

Following table gives the organization:

Name	Role
Rahul Varma	Product owner
Deepthi	Developer
Harshith	Developer
Dinesh	Scrum Master
Tharun Ravuri	Developer
Dheeraj	Tester