**CSIS-4280**

**Project Proposal**

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**Project Title: Pocketbook**

Introduction

Budget Management is a crucial aspect when it comes to manage our expenses on a day-to-day basis. In a world where everything is online oriented, generally it becomes tedious to keep track of the paper-based tracks and receipts. People want everything to be automated, with minimal to no use of paper-based records. This is where next generation applications come into play. We all need a budget, be it small or large to stay organised. To curb this, a budgeting app helps the user track and manage their finances via Mobile application.

Our primary aim is to make our application less human dependent which will make it easier to manage our money very conveniently. The application focuses primarily on asking the user for its login details. Based on those details, the user gets registered if he/she hasn’t before. Next, once the user logs In, the application will ask you to enter income and expenses and then set your monthly budget based on your inputs. The user can add fixed monthly expenses and set an alarm to pay them. This would be a one-time entry per month.

We will be using MongoDB as our database which will store login information about the user, his/her monthly expenses and income. Lastly, we will be implementing Flash with python to handle server-side requests.

Functionalities

Below are detailed functionalities and scenarios associated with each activity:

1.Login/logout: A user enters their credentials to authenticate. These credentials are verified against records in a database: if valid – access is granted (corresponding user information is fetched), otherwise rejected. This activity also provides a button link for registration. Following this link, a registration activity fires up.

2.Registration: A user can create an account that will be associated with all their data (it is required to fill in credentials and personal information).

3.Dashboard: Following a successful authorization, this activity provides an overview of expenses, current budget, money spent and savings. It also shows the list of today’s and last 7 days’ expenses. Each item in the list is a link for detailed description.

4.Fixed Income & Expense: Shows a list of fixed incomes, expenses and provides an interface to enter or edit income/expense amount along with information associated with it.

5.Profile: Shows user information and allows for editing. Calculates and displays tax amount based on income and expense categories.

Monitoring and Evaluation

In my project, we used the following type of indicator:

Outcome indicators:

1. Login registration landing page
2. Sign-up registration landing page
3. Dashboard consisting of Income, expenses, and savings
4. Settings page which will use navgraph consisting of user login details, Expense categories, income category, payment type (cash, credit, debit)
5. Reports that will be exported to Excel format typically consisting of detailed summary.