

MONEYDEED\$ - YOUR SIMPLE PERSONAL EXPENSE TRACKER

1. INTRODUCTION

1.1 OVERVIEW

MoneyDeed\$ is a simple Personal Expense tracker, which keeps track on your income and expenses and alerts the user if the limit exceeds.

1.2 PURPOSE

It is essential that people needs to keep careful track of their expenses to make sure that they stay on budget. MoneyDeed\$ is developed in such a way that it's now easier to track the expenses than ever before within SECONDS. Because Money Matters!

2. LETERATURE SURVEY

2.2 EXISTING PROBLEM

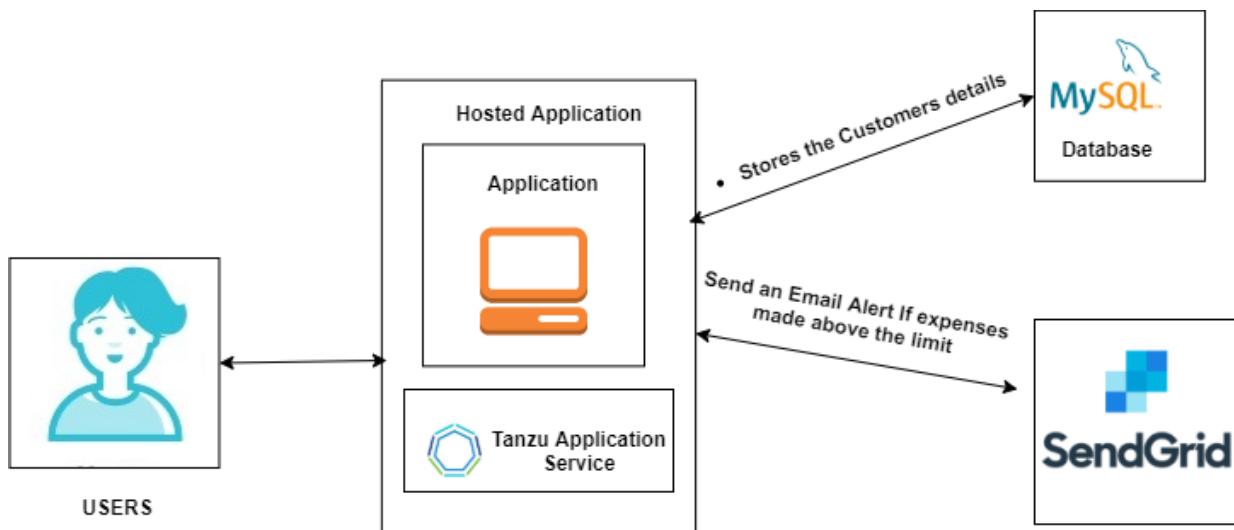
In this busy world people don't have time to have a track on their expense and income which results in an inappropriate transaction history.

2.3 PROPOSED SOLUTION

MoneyDeed\$ helps people to meet their **financial objectives**. Alerts them when they **exceed the limit** of their income and at the same time have a **check on their available balance** parallelly with which they could save money !

3. THEORITICAL ANALYSIS

3.1 BLOCK DIAGRAM



3.2 HARDWARE/SOFTWARE DESIGNING

This software is a totally self-contained system. Also it is not dependent on any larger system.

The interfaces will involve combo boxes, **text boxes**, and **buttons** with presentable **animations**. The combo boxes and the buttons will be used to prevent users from entering the wrong type of information. They will also enable fast data entry. Text boxes will be controlled for avoiding invalid and inconsistent data.

There will be two types of messages for constructive advice to the users: error and confirmation messages. There will be four types of error messages for application control: input, output, process and database/Web server error messages.

There will be several types of users, and each user will access the screens according to their types after entering their IDs and passwords. Standard screen format (fixed colors, fonts, background, the page layout, etc.) will be used throughout the interfaces.

The language of the user interfaces will be English.

No two account with same name can exist

3.2.1 Hardware Interfaces

Processor : 2 GHz Processor

RAM : 4 GB (minimum recommended)

Hard Disk : 500 GB (minimum recommended)

Monitor : 11"inch DISPLAY or more

Keyboard : 108 key normal

3.2.2 Software Interfaces

On the client side the required software product is Google Chrome / Internet Explorer / any browser supporting at least HTML version 3.2, java enabled, and any operating system that can run the browsers.

The project will use following software

- PYTHON FLASK FRAMEWORK
- Back End : Remote MySQL

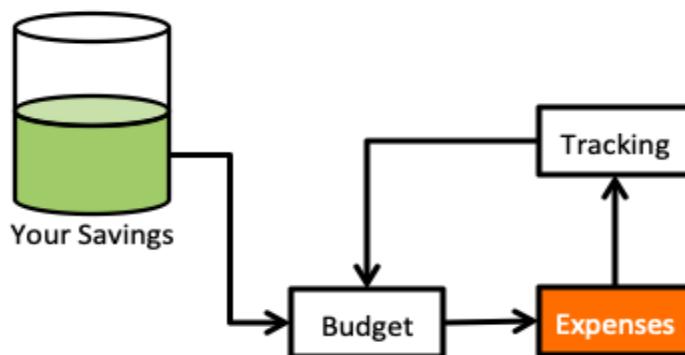
3.2.3 Communication Interfaces

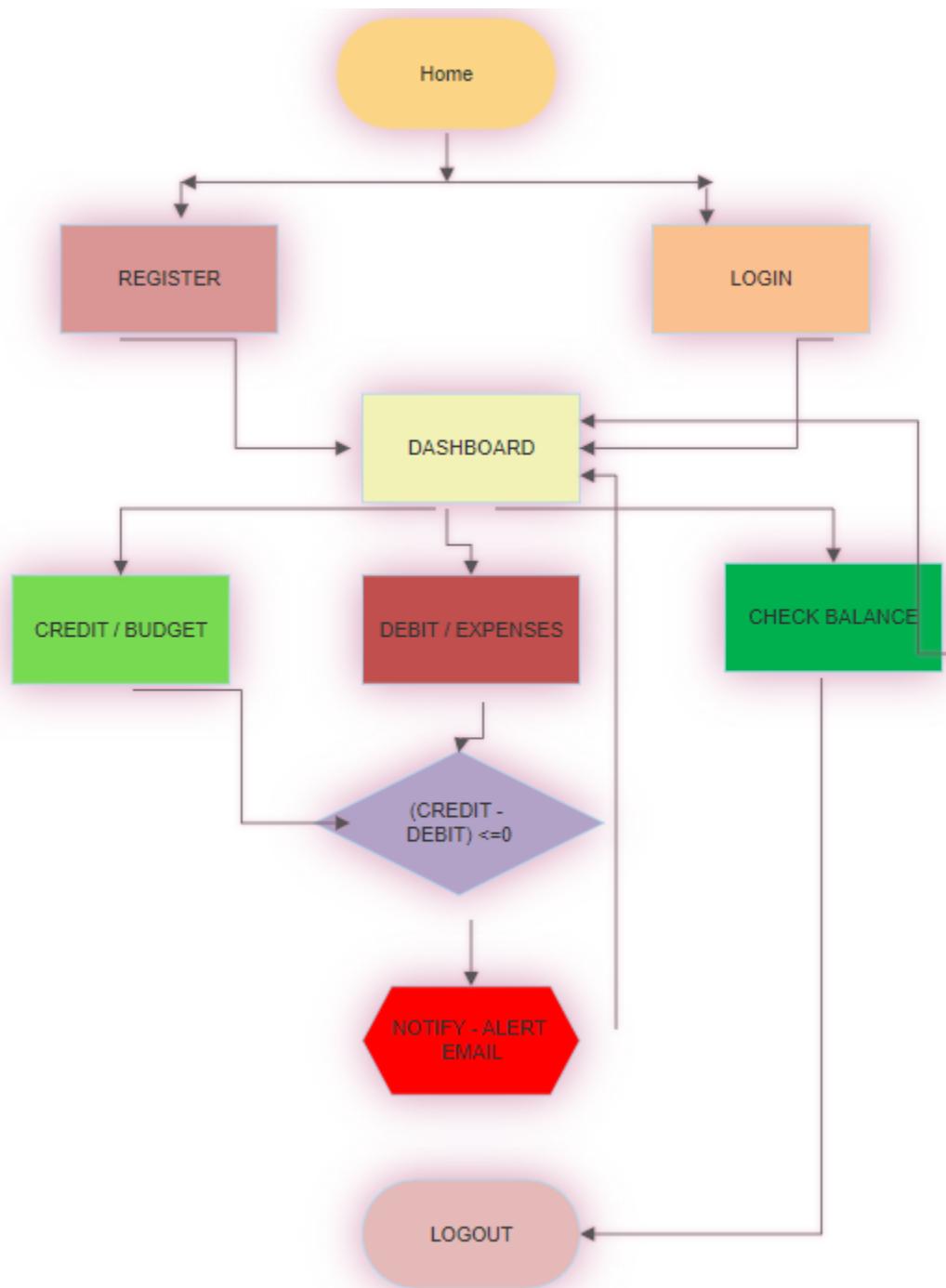
The default communication protocol for data transmission between server and the client is Transmission Control Protocol/Internet Protocol (TCP/IP). At the upper level HyperText Transfer Protocol (HTTP, default port=8080) will be used for communication between the web server and client.

4 EXPERIMENTAL INVESTIGATIONS

The challenging part was to update and display the credit amount / available balance dynamically to each particular user as and when the amount was debited. After some investigation on the credit database and the session cache came to a conclusion, thereby satisfying the requirement.

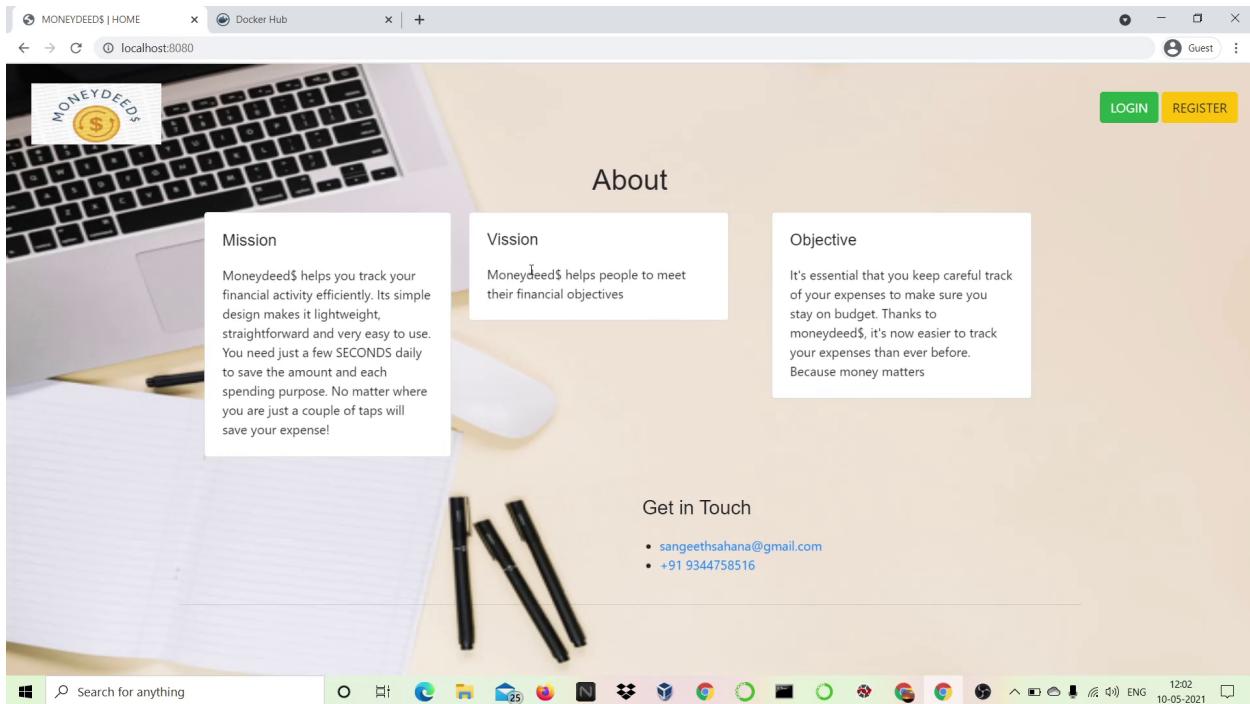
5 FLOW CHART



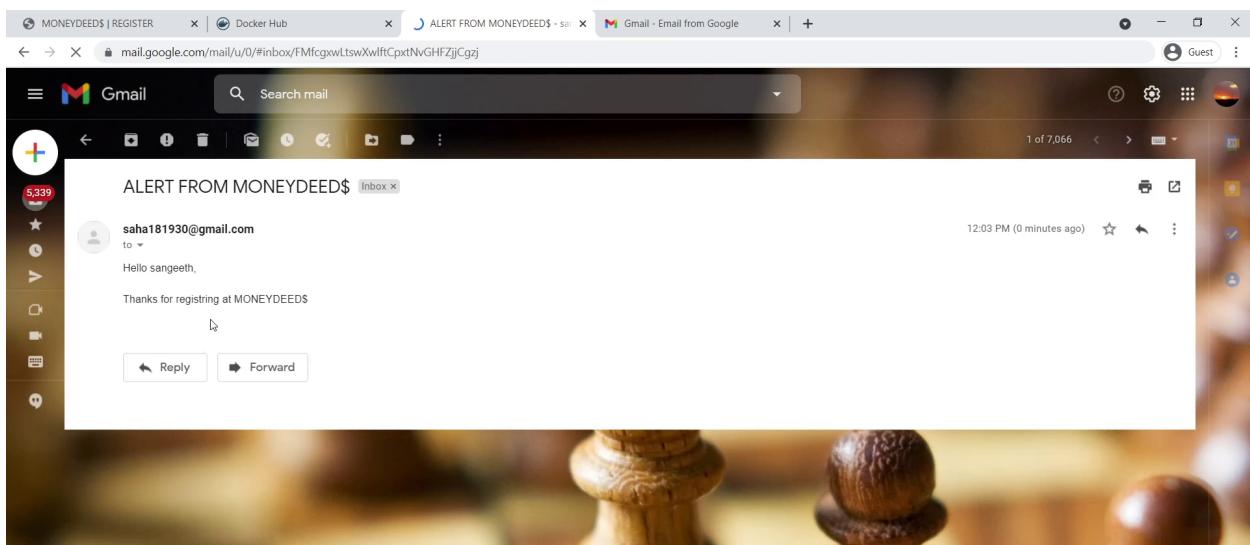


6 RESULT

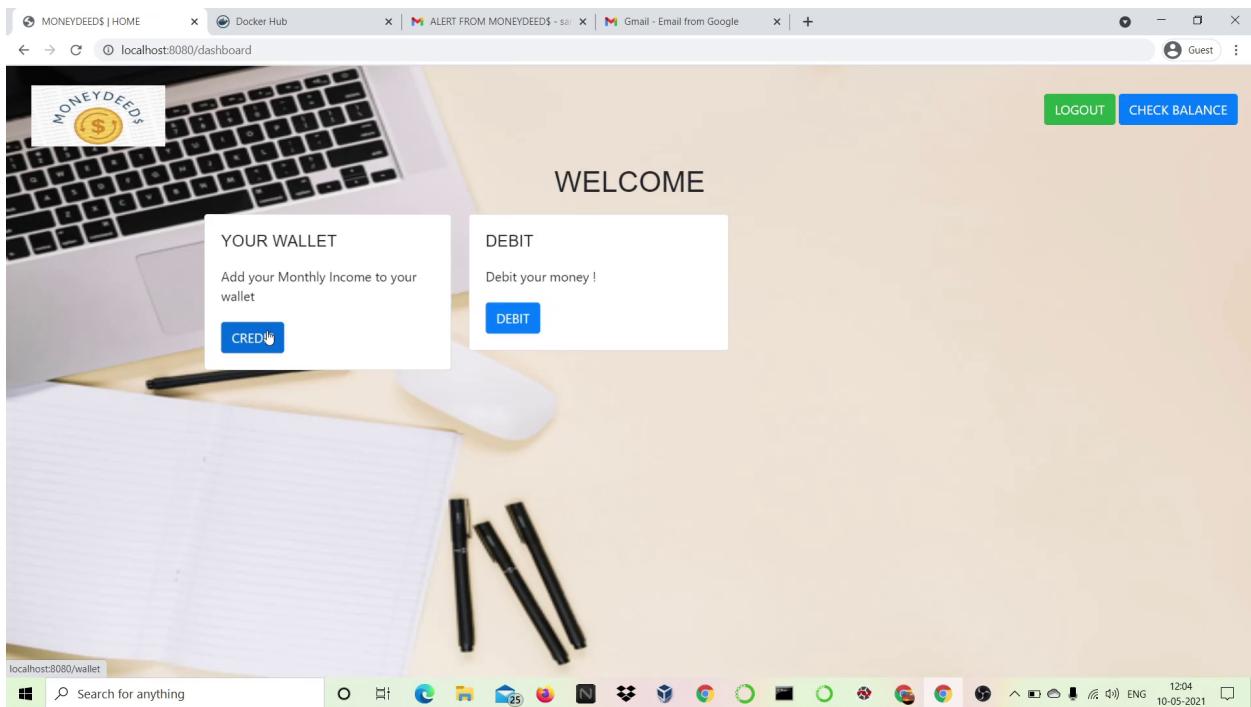
HOME PAGE



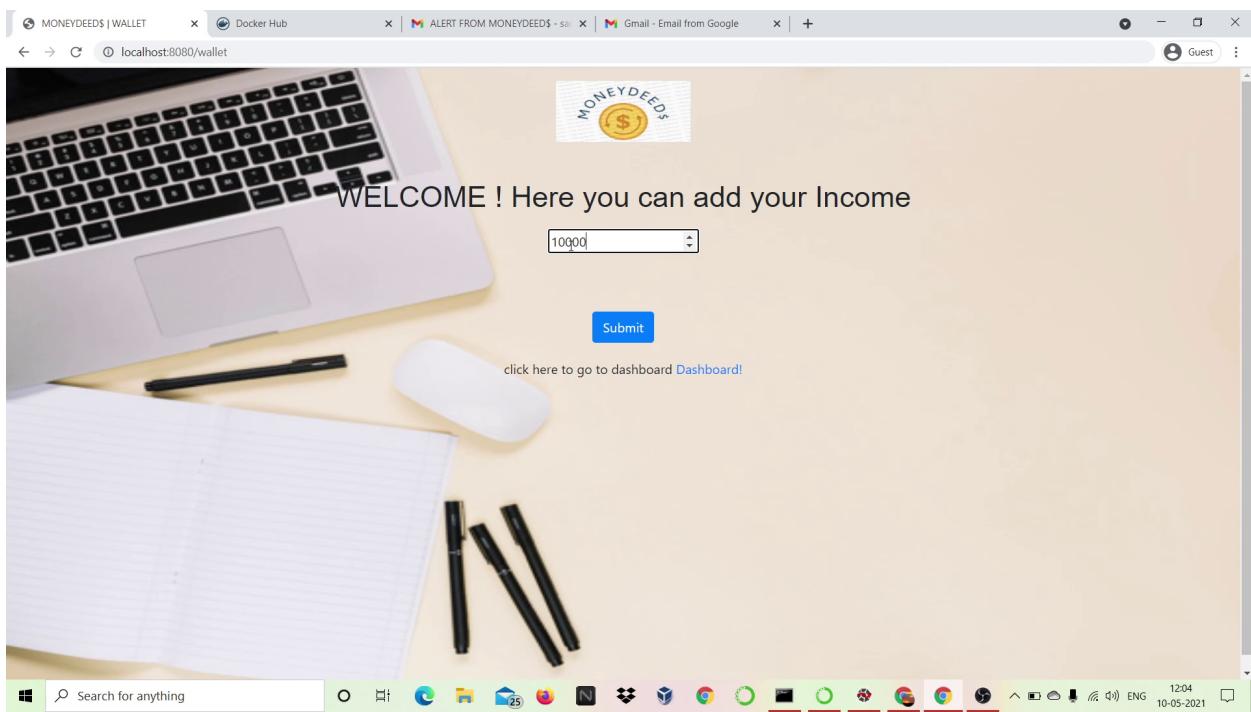
AFTER REGISTERING USER WILL GET AN EMAIL



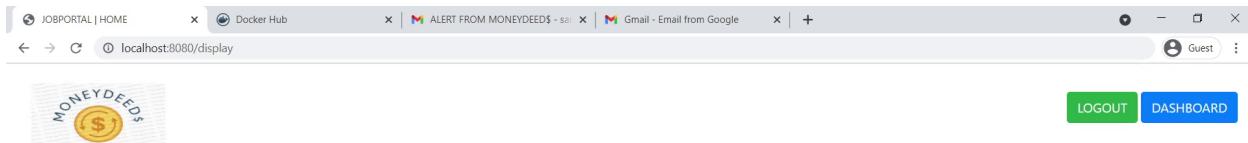
AFTER REGISTERING / LOGING IN USER WILL END UP IN DASHBOARD



USER CAN CREDIT OR DEBIT FROM THEIR WALLET



CAN ALSO CHECK THEIR AVAILABLE BALANCE



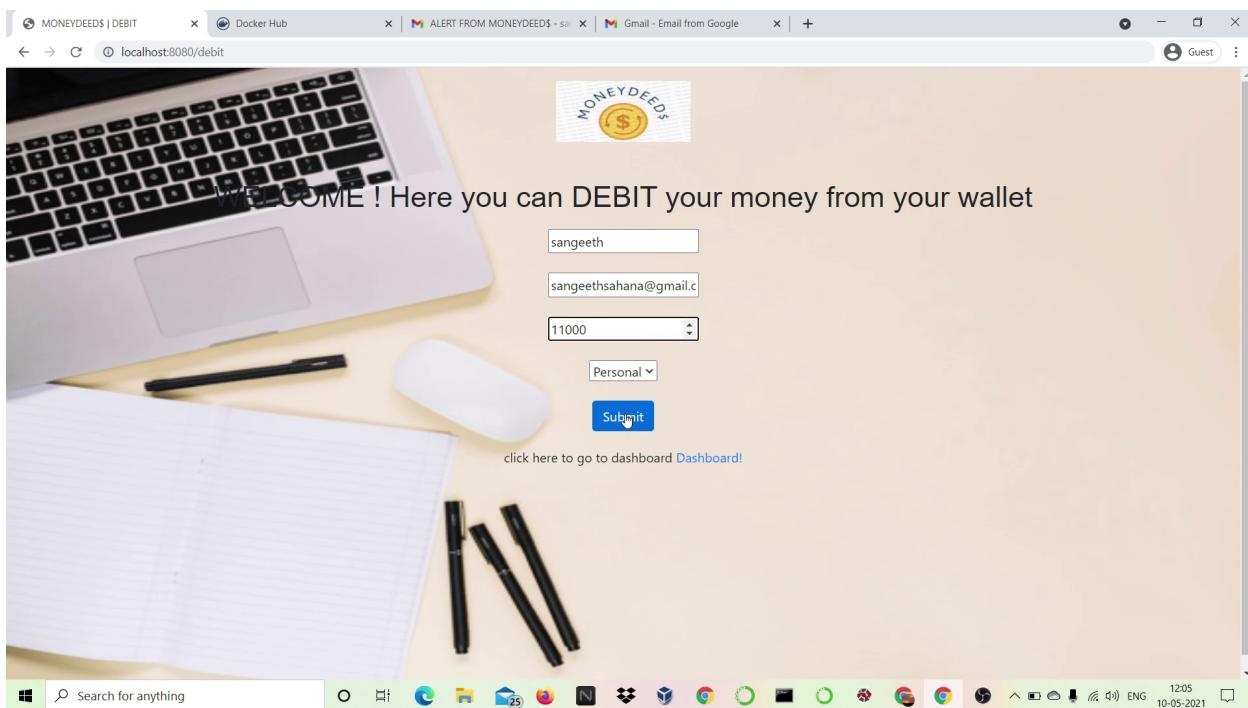
Your details

userid:	10
username:	sangeeth
Email ID:	sangeethsahana@gmail.com
AVAILABLE BALANCE:	I 10000

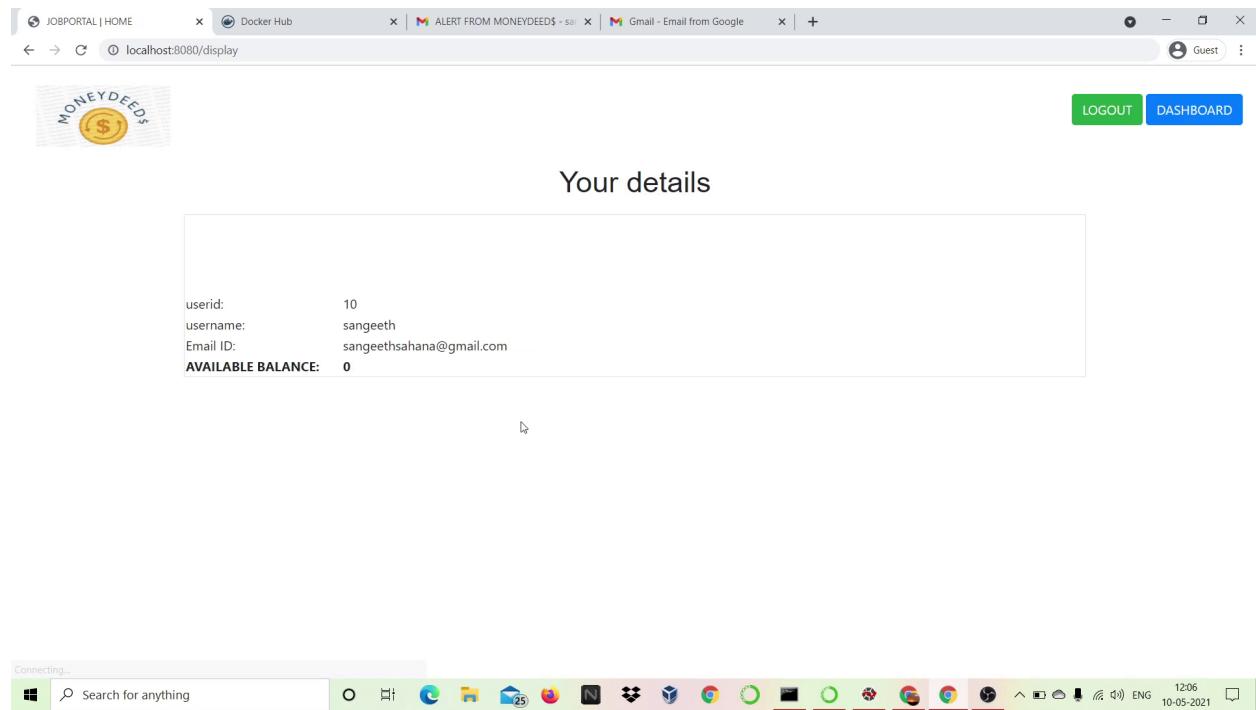


CAN KEEP ON CREDITING TO THEIR WALLET

CAN ALSO DEBIT



SPECIAL CASE WHEN ALL THE BALANCE HAS BEEN DEBITED

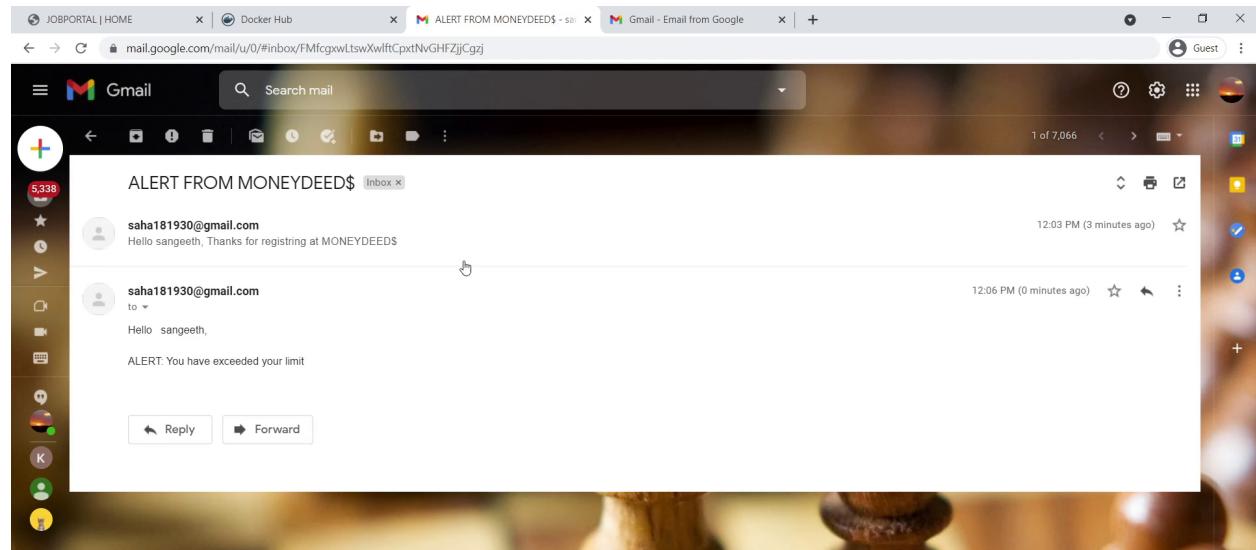


The screenshot shows a web browser window with multiple tabs open. The active tab displays a user profile page for 'sangeeth'. The page includes a logo for 'MONEYDEED\$', a navigation bar with 'LOGOUT' and 'DASHBOARD' buttons, and a section titled 'Your details' containing the following information:

userid:	10
username:	sangeeth
Email ID:	sangeethsahana@gmail.com
AVAILABLE BALANCE:	0

The browser's taskbar at the bottom shows various pinned icons and the system status bar indicating the date and time.

MAIN - WHEN ITS THE ABOVE CASE - LIMIT EXCEEDS [EMAIL WILL BE TRIGGERED]



The screenshot shows a Gmail inbox with two messages from 'ALERT FROM MONEYDEED\$'. The first message is from 'saha181930@gmail.com' and the second is from 'sangeethsahana@gmail.com'. Both messages contain the same alert message: 'Hello sangeeth, Thanks for registering at MONEYDEED\$' and 'ALERT: You have exceeded your limit'. The Gmail interface includes a search bar, a sidebar with a red notification badge (5338), and standard email controls like reply and forward.

7 ADVANTAGES

EFFICIENT | SIMPLE | LIGHTWEIGHT | STRAIGHTFORWARD | EASY TO USE | COUPLE OF TAPS | ONLY SECONDS NEEDED TO SAVE AMOUNT | PORTABLE | UNDER CONTROL |

DISADVANTAGES

NOT ADVANCED | NOT COMPLEX DATA ANALYTICS | DELIBERATE | NOT SUITABLE FOR HIGHER END BUSINESS MANAGEMENT | ONLY SUITABLE FOR SIMPLE DAILY EXPENSE

8 APPLICATIONS

WHEN CUSTOMERS ARE DELIBERATE ABOUT THEIR SPENDINGS, MONEYDEEDS HELPS THEM TO MAINTAIN A APPROPRIATE BUDGET

9 CONCLUSION

MoneyDeed\$ helps people to track their expenses thereby reducing their stress to maintain a budget. No matter when, just a couple of taps and a few seconds will save the expense. Because Money matters !

10 FUTURE SCOPE

ENHANCEMENTS LIKE GRAPHICAL REPRESENTATION OF USER'S STATICTS, SUGGESTIONS TO USER FOR BETTER BUDGETTING WOULD ME MADE. A MORE USER FRIENDLY WITH DEVELOPED FEATURES WILL BE MADE.

11 BIBILOGRAPHY

W3SCHOOLS, GEEKSFORGEEKS, JAVATPOINT, SMARTDRAW,
STACKOVERFLOW, CANVASJS, COMPUTERHOPE

APPENDIX

GITHUB REPO :

<https://github.com/smarterinternz02/SPS-9779-Personal-Expense-Tracker.git>