PERSONAL EXPENSE TRACKER APPLICATION

Submitted by

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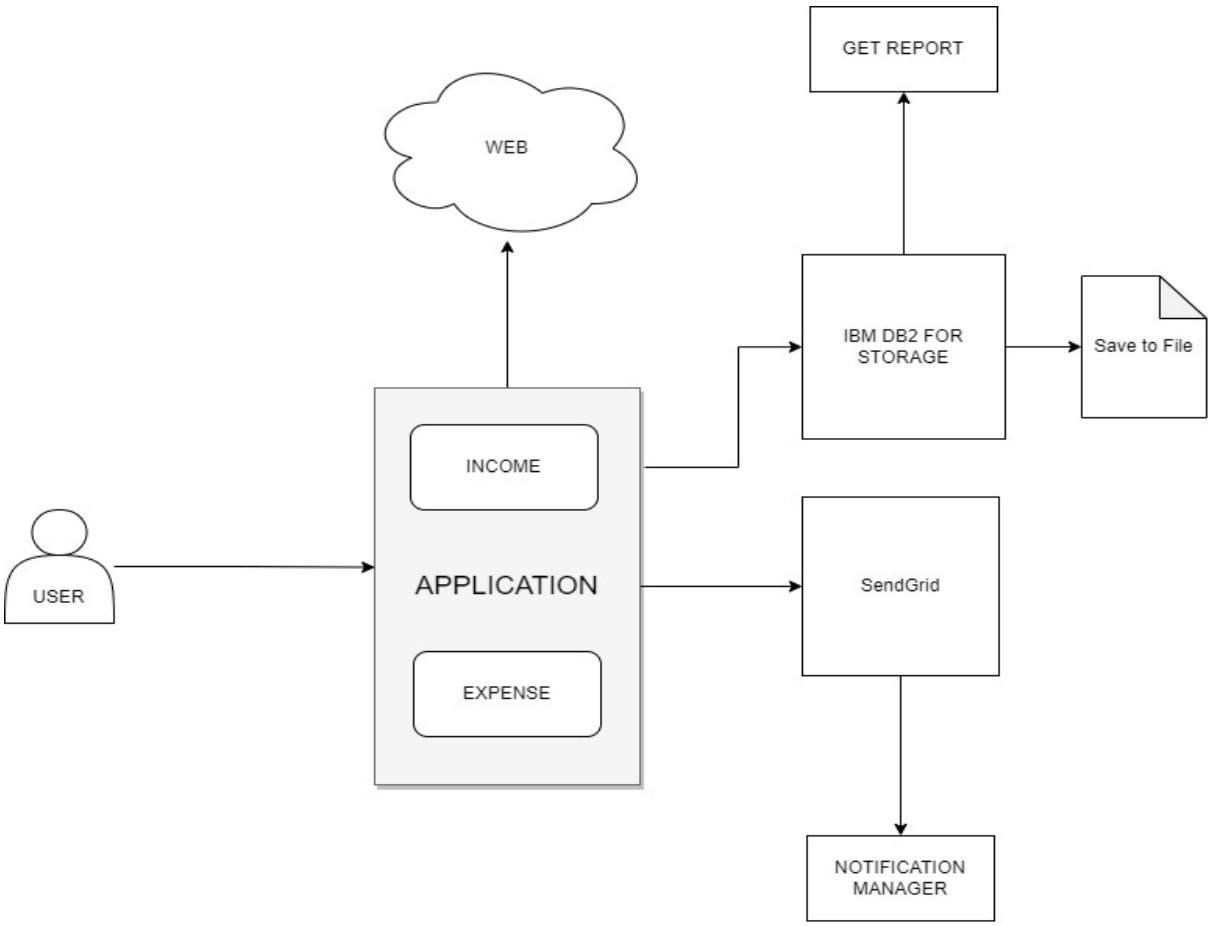
Project Design Phase-I
Proposed Solution and Fit Architecture

Date	07 October 2022
Team ID	PNT2022TMID23493
Project Name	Project – Personal Expense Tracker Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• Budgeting problems in day to day life. • Clueless about where your money goes. • Non proper maintenance of billing.
2.	Idea / Solution description	• Helps keep track of your expenses. • Helps in managing your finances efficiently. • Analysis of expenditure in graphical forms.
3.	Novelty / Uniqueness	• It uses cloud database for efficient and long time storage. • Graphical analysis makes comparison easier. • Alerts the user if expense reaches certain user-given limit.
4.	Social Impact / Customer Satisfaction	• Easier user interface. • Easy access to common people. • Data can be accessed anywhere at anytime.
5.	Business Model (Revenue Model)	• Get approval to publish/release in playstore. • Targets audience who needs help in expense management.
6.	Scalability of the Solution	The project will be completed within six months of time and will be available for public use as soon as possible.



BLOCK DIAGRAM OF PERSONAL EXPENSE TRACKER APPLICATION

ALGORITHM:

STEP-1: Setting up an environment for the application.

STEP-2: Creating a new project using Flask for developing web application using python.

STEP-3: Create an UI to interact with the application.

STEP-4: Create a database using IBM DB2 and connect with the python.

STEP-5: Integrate a SendGrid Service with python code.

STEP-6: Create a Docker image for Flask App.

STEP-7: Upload the image to IBM Container Registry.

STEP-8: Deploy in Kubernetes Cluster.

STEP-9: Creating a plan for Project Development Delivery.

STEP-10: Deploying the Project Development.