

PROJECT PLANNING PHASE PREPARE
MILESTONE AND ACTIVITY LIST

Date	07 November 2022
Team ID	PNT2022TMID08585
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Remaining Task:

MILESTONES	ACTIVITY	DESCRIPTION
Project development phase	Delivery of Sprint-1,2, 3, 4	To develop and submit the code after completion of testing
Implementing web application	Create UI to interact with the application	Creating UI includes : <ul style="list-style-type: none">• Registration page• Login page• View products page• Add products page
	Create IBM DB2 and connect with the Python	Create an IBM DB2 in the IBM cloud and connect it to Python.
Integrating SendGrid Service	SendGrid integration with the Python	The SendGrid services must be integrated in order for the application to send emails.
Developing a chat bot	Building a chat bot and integrate with The application	Build the chat bot and integrate it to the flask application
Deployment of app in IBM cloud	Containerize the app	Create a docker image of the application in addition to push it to the IBM container registry
	Upload image to IBM container registry	Upload the image to IBM container registry

	Deploy it in Kubernetes cluster	Once the image is uploaded to IBM container registry deploy the image towards IBM kubernetes cluster
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Completed Tasks:

MILESTONES	ACTIVITY	DESCRIPTION
Ideation phase	Literature survey	Literature survey on the selected project's existing systems and information gathering
	Empathy map	Prepare empathy map to capture the users' pains and gains, prepare a list of problem statement
	Ideation	Organizing the brainstorming session and prioritize the top three ideas based on feasibility
Project design phase 1	Proposed solution	Prepare proposed solution document which includes novelty, feasibility of ideas, business model, social impact, scalability of solution
	Problem solution fit	Prepare problem's solution fit documents
	Solution architecture	Prepare solution architecture documents

Project design phase 2	Customer journey map	Prepare customer journey map to understand the user interactions and experience with the application
	Functional requirements	Prepare functional and non-functional necessity document
	Data flow diagram	Prepare data flow diagram and user stories
	Technology architecture	Draw technology architecture diagram
	Sprint delivery plan	Prepare sprint delivery plan
Setting-up app environment	Create IBM cloud account	Sign up to the IBM cloud account
	Create flask project	Getting started with the flask to create project
	Install IBM cloud cli	Install IBM command line interface (CLI)
	Docker CLI installation	Installing docker CLI