PROJECT PLANNING PHASE PREPARE

MILESTONE AND ACTIVITY LIST

Date	30 October 2022
Team ID	PNT2022TMID17060
Project Name	Personal Expense Tracker Application
Maximum Marks	4 Marks

Type your text

Remaining Task:

MILESTONES	ACTIVITY	DESCRIPTION
Project development phase	Delivery of Sprint-1,2, 3, 4	To develop the code and submit the develop the code after completion of testing
Implementing web application	Create UI to interact with the application	Create UI • 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 send grid 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 in in Kubernetes cluster	Once the image is uploaded to IBM container registry deploy the image toward IBM kubernetes cluster

Completed Tasks:

MILESTONES	ACTIVITY	DESCRIPTION
Ideation phase	Literature survey	Literature survey on the selected project and information gathering
	Empathy map	Prepare empathy map to capture the user pain 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 solution fit documents
	Solution architecture	Prepare solution architecture document
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 spring delivery plan
Setting-up app environment	Create IBM cloud account	Sign up 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