Project Planning Phase

Milestone and Activity list

Date	02-November-2022
Team ID	PNT2022TMID17612
Project Name	Smart Fashion Recommender Application
Maximum Marks	8 Marks

Completed Tasks:

MILESTONES	ACTIVITY	DESCRIPTION
Ideation phase	Literature survey	Literature survey on selected project and gathering information.
	Empathy map	Prepare empathy map to capture the user pains and gains, prepare a list of problem statement.
	Ideation	Organising the brainstorming session and prioritise the top three ideas based on feasibility hand importance.
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
Project planning phase	Milestones and activity list	Prepare milestones and activity list of the project.
	Sprint delivery plan	Planning of sprints
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
	Create an account in SendGrid	Create an account in SendGrid and use service as email integration to the application for sending emails.

Remaining Tasks:

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.	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 sendGrid service	SendGrid integration with the Python.	The SendGrid services must be integrated in order for the application to send emails.
Developing a chatbot	Building a chatbot and integrate with the application.	Build the chatbot 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 toward IBM Kubernetes cluster.