

Project Planning Phase

Project Progress Tracking

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID16927 |
| Project Name | Personal Expense Tracker Application |
| Maximum Marks | 8 Marks |

| 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 webapplication | Create UI to interact with the application | Create UI <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 send grid service | SendGrid integration with thePython | 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 IBMcloud | 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 uploadedto IBM container registry deploy the image toward IBM kubernetes cluster |

| 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 |

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| | 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 |