Project Planning Phase

Project Planning (Milestones & Activity List)

Remaining tasks (Milestones & Activities) to be completed

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| Milestones | Activities | Description |
| Project Development Phase | Delivery of Sprint – 1,2,3,4 | To develop the code and submit  the developed code by testing it |
| Setting up App environment | Create IBM Cloud account | Signup for an IBM Cloud account |
|  | Create flask project | Getting started with Flask to create project |
|  | Install IBM Cloud CLI | Install IBM Command Line Interface |
|  | Docker CLI Installation | Installing Docker CLI on laptop |
|  | Create an account in sendgrid | Create an account in sendgrid. Use the service as email  integration to our application for sending emails |
| Implementing web Application | Create UI to interact with Application | Create UI   * Registration page * Login page * View products page * Add products page |
|  | Create IBM DB2 & connect with python | Create IBM DB2 service in IBM  Cloud and connect with python code with DB |
| Integrating sendgrid service | Sendgrid integration with python | To send emails form the  application we need to integrate the Sendgrid service |
| Developing a chatbot | Building a chatbot and Integrate to 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 your  application and push it to the IBM container registry |
|  | Upload image to IBM container  registry | Upload the image to IBM  container registry |
|  | Deploy in kubernetes cluster | Once the image is uploaded to IBM Container registry deploy  the image to IBM Kubernetes cluster |

Finished tasks (Milestones & Activities)

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| Milestones | Activities | Description |
| Ideation Phase | Literature Survey | Literature survey on the selected project &  information gathering |
|  | Empathy Map | Prepare Empathy map to capture the user Panis &  Gains, prepare list of problem statement |
|  | Ideation | Organizing the brainstroming session and prioritise the top 3 ideas based on feasibility &  Importance |
| Project Design Phase I | 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 document |
|  | Solution Architecture | Prepare solution architecture document |
| Project Design Phase II | Customer Journey | Prepare customer journey map to understand the user  interactions & experience with the application |
|  | Functional requirement | Prepare functional & non functional requirement  document |
|  | Data Flow Diagram | Prepare Data Flow Diagram and user stories |
|  | Technology architecture | Draw the technology architecture diagram |
| Project Planning Phase | Milestones & Activity list | Prepare milestones and  activity list of the project |
|  | Sprint Delivery Plan | Prepare sprint delivery plan |