

Project Planning Phase

Project Planning (Milestone & Activity List)

Date	10 November 2022
Team ID	PNT2022TMID07400
Project Name	News Tracker Application

Remaining tasks (Milestones & Activities) to be completed :

Milestones	Activities	Description
Project Development Phase		Sprint – 1,2,3,4 To create the code and test it before submitting it.
Setting up App environment		cloud account Signup for an IBM Cloud account
	Creation of flask project	Getting Started with Flask for Project Creation
	Install IBM Cloud CLI	Install IBM Command Line Interface
	Docker CLI Installation	Installing Docker CLI on laptop
	Create an account in SendGrid	Create a SendGrid account. Use the service to send emails through our application's email integration.
Implementing web Application	Create UI to interact with Application	Create UI <ul style="list-style-type: none">• Registration page• Login page• View products page• Add products page
	Create IBM DB2 & connect with python	Create an IBM DB2 service in the IBM Cloud, then connect to the DB using Python code.
SendGrid service integration	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
Application deployment in IBM	App containerization	Create a docker image of your application and push it to the IBM container registry

Cloud		
	Upload image to IBM container registry	Upload the image to IBM container registry

	Deploy in Kubernetes cluster	Deploy the image to an IBM Kubernetes cluster after it has been uploaded to the IBM Container Registry.
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Finished tasks (Milestones & Activities):

Milestones	Activities	Description
Ideation Phase	Literature Survey	Literature survey on the selected project & information gathering
	Empathy Map	Prepare Empathy map to capture the user Pains & Gains, prepare list of problem statement
	Ideation	Organizing the brainstorming session and prioritise the top 3 ideas based on feasibility & Importance
Project Design Phase I	Proposed Solution	Create a proposed solution document that outlines uniqueness, idea viability, business model, social effect, and solution scalability.
	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 & nonfunctional 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