Project Planning Phase

Project Planning Template (~~Milestones & Activity List~~ Product Backlog, Sprint Planning, Stories, Storypoints)

Date	20 November 2022
Team ID	PNT2022TMID34632
Project Name	Smart Fashion Recommendation System
Maximum Marks	8 marks

~~Remaining tasks (milestones & Activity) to be completed~~

~~Milestones~~	~~Activity~~	~~Description~~
~~Project Development Phase~~	~~Delivery od 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~~
	~~Install Docker CLI~~	~~Installing Docker CLI on Laptop~~
	~~Create as 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~~

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~~Integrating sendgrid services~~	~~Sendgrid integration with python~~	~~To send emails from 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 images 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 & Activity)~~Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirements	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	User Panel	USN – 1	The user will login into the website and go through the available products on the website	20	HIGH	Femima Shelly Abisha Benitta Delfin
Sprint - 2	Admin panel	USN – 2	The role of the admin is to check out the database about the stock and have a track of all the things that the users are purchasing	20	HIGH	Femima Shelly Abisha Benitta Delfin
Sprint – 3	Chat Bot	USN – 3	The user can directly talk to chatBot regarding the products. Get the recommendation based on information provided by the user.	20	HIGH	Femima Shelly Abisha Benitta Delfin

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Sprint – 4	Final Delivery	USN – 4	Container of application using docker kubernetes and deployment of application. Create the documentation and final submit the application	20	HIGH	Femima Shelly Abisha Benitta Delfin

Velocity :

Imagine we have a –day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown chart :

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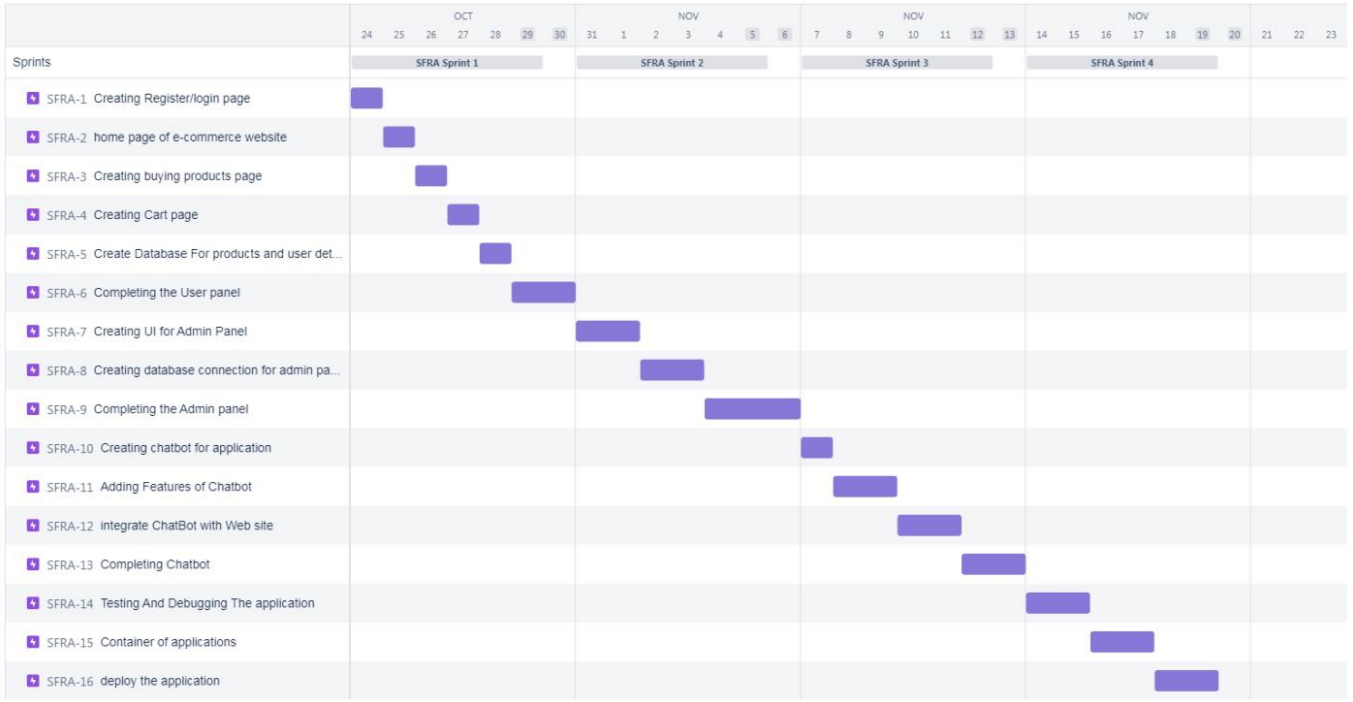
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Sprints
SFRA Sprint 1
SFRA Sprint 2
SFRA Sprint 3
SFRA Sprint 4
SFRA-1 Creating Register/login page
SFRA-2 home page of e-commerce website
SFRA-3 Creating buying products page
SFRA-4 Creating Cart page
SFRA-5 Create Database For products and user det...
SFRA-6 Completing the User panel
SFRA-7 Creating UI for Admin Panel
SFRA-8 Creating database connection for admin pa...
SFRA-9 Completing the Admin panel
SFRA-10 Creating chatbot for application
SFRA-11 Adding Features of Chatbot
SFRA-12 integrate ChatBot with Web site
SFRA-13 Completing Chatbot
SFRA-14 Testing And Debugging The application
SFRA-15 Container of applications
SFRA-16 deploy the application