Project Planning Phase
Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

Date	21 October 2022
Team ID	PNT2022TMID13092
Project Name	A Novel Method for Handwritten Digit Recognition
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register by entering my phone number, password, and confirming my password	8	High	Aarshana
Sprint-1		USN-2	As a user, I will receive confirmation otp once I have registered for the application	2	High	Ramya
Sprint-1		USN-3	As a user, I can also register by entering email, password, and confirming my password	8	Low	Soundarya
Sprint-2		USN-4	As a user, I can register for the application through Gmail account	2	Medium	Kruthikkha
Sprint-2		USN-5	As a user, I can verify my account using the confirmation email received once I have registered for the application	2	Medium	Ramya
Sprint-1	Login	USN-6	As a user, I can log into the application by entering mobile number & password	2	High	Aarshana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-7	As a user, I can log into the application by entering email & password	8	Medium	Kruthikkha
Sprint-3		USN-8	As a user, I can log into the application through the linked Gmail account	2	Low	Soundarya
Sprint-2	Dashboard	USN-9	As a user, I can drag and drop images of the digits to recognize the digits	8	High	Aarshana
Sprint-2	Uploading	USN-10	As a user, I can upload the images of digits that is stored in the device in order to recognize the digits	8	High	Ramya
Sprint-3		USN-11	As a user, I can link my google drive and upload the images of the digits directly from the drive in order to recognize the digits	8	Low	Soundarya
Sprint-3		USN-12	As a user, I can use the application effectively based on the instructions given	2	High	Kruthikkha
Sprint-4		USN-13	As a user, I can upload the image once I click the upload button	2	High	Aarshana
Sprint-4		USN-14	As a user, I can get confirmation message before the image gets uploaded	2	High	Soundarya
Sprint-4	Recognition	USN-15	As a user, I can view the recognized digit, once I click the recognize button	8	High	Ramya
Sprint-4		USN-16	As a user, I can tell whether recognized digit is correct or not	8	High	Kruthikkha

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022

Velocity:
Imagine we have a 10-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:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
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