Project Design Phase
Phase 4
Project Planning

Date	27 October 2023
Team ID	SI-GuidedProject-587558-1696963149
Project Name	A Sleep Tracking App For A Better Night's Rest
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the sleep tracking app.	2	High	Akshaj
Sprint-1	Development environment	USN-2	Gather necessary resources and libraries for sleep data collection and storage.	3	High	Armaano
Sprint-2	Data collection	USN-3	Implement data collection methods, either through user input or integration with wearable devices.	5	High	Akshaj
Sprint-2	Data preprocessing	USN-4	Ensure the integration with wearable devices for automatic sleep tracking is functional.	4	High	Pranav
Sprint-3	User Data Analysis	USN-5	Store user sleep data in a secure manner, ensuring data privacy. Begin implementing basic sleep data analysis features for insights into sleep patterns.	3	High	Armaano
Sprint-3	User Experience Enhancement	USN-6	Develop the user interface for the app, focusing on intuitive design and data presentation. Implement a smart alarm feature for optimized wake-up times based on sleep data.	6	medium	Armaano
Sprint-4	Content Library	USN-7	Create a library of calming sounds, white noise, and educational content related to sleep.	4	medium	Pranav
Sprint-5	Testing & quality assurance	USN-8	Conduct thorough testing of the app to identify and report any issues or bugs. Fine-tune the app's algorithms and features based on user feedback and testing results.	1	medium	Akshaj

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	5	1 Day	28 Oct 2023	29 Oct 2023	27	9 Nov 2023
Sprint-2	9	3 Days	29 Oct 2023	1 Nov 2023		
Sprint-3	9	2 Days	1 Nov 2023	3 Nov 2023		
Sprint-4	4	2 Days	3 Nov 2023	5 Nov 2023		
Sprint-5	1	1 Days	5 Nov 2023	6 Nov 2023		

Velocity:

Imagine we have a 29-days 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)

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

AV= 27/10 = 2.7

Burndown Chart:

A burndown 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
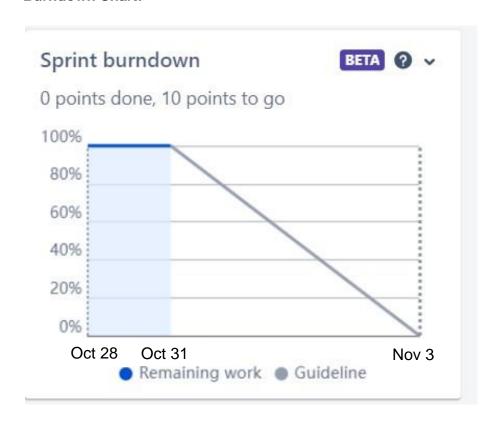**https://www.atlassian.com/agile/tutorials/epics**
https://www.atlassian.com/agile/tutorials/sprints
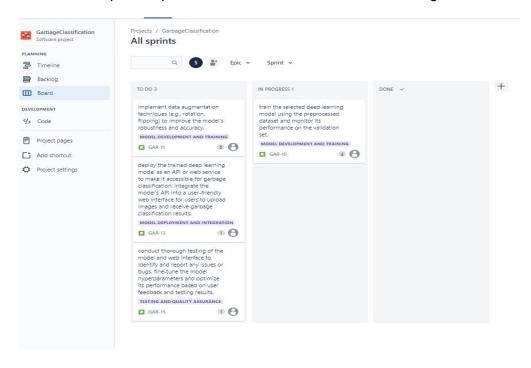**https://www.atlassian.com/agile/project-management/estimation**
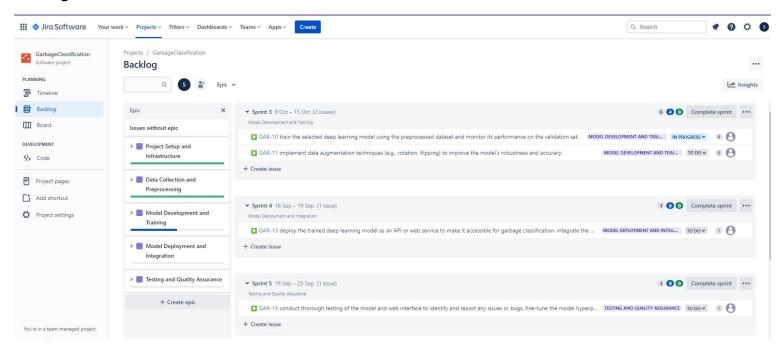**https://www.atlassian.com/agile/tutorials/burndown-charts**

Burndown Chart:

Board section.

We have completed sprint 1 and 2. So we can see the remaining tasks on board.

Backlog section

Timeline

Projects / GarbageClassification

GarbageClassification
Software project

PLANNING

- 🔲 Timeline
- 🔲 Backlog
- ⬚ Board

DEVELOPMENT

- </> Code

- 📄 Project pages
- ▱ Add shortcut
- ⚙ Project settings

You're in a team-managed project

Learn more

Timeline

🔍 _____   S 🙂 👤+   Status category ∨   Epic ∨

Epic

💬 Give feedback   ⬍ Share   ⬆ Export   ⋯

⇅ View settings

	SEP	OCT	NOV	DEC	JAN '24	FEB '24	MAR '24	APR '24
Sprints	Sprint 5	Sprint 3						
▾ 🟪 GAR-1 Project Setup and Infrastructure								
🟩 GAR-2 Set up the developme... **DONE**								
🟩 GAR-3 Gather a diverse datas... **DONE**								
▾ 🟪 GAR-4 Data Collection and Preprocessing								
🟩 GAR-6 Explore and evaluate ... **DONE**								
🟩 GAR-5 Preprocess the collect... **DONE**								
▾ 🟪 GAR-9 Model Development and Training		🟪						
🟩 GAR-10 train the selec... **IN PROGRESS**		🟪						
🟩 GAR-11 implement data aug... **TO DO**		🟪						
▾ 🟪 GAR-12 Model Deployment and Integra...	🟪							
🟩 GAR-13 deploy the trained d... **TO DO**	🟪							
▾ 🟪 GAR-14 Testing and Quality Assurance	🟪							
🟩 GAR-15 conduct thorough t... **TO DO**	🟪							
+ Create Epic								

⊙ Today   Weeks   **Months**   Quarters   ⓘ   ⤢