Sprint #1 Individual Report

Details

Report title: Sprint #1 - 27 Jan 2024 to 06 Feb 2024

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ASU ID: 1221958478

Team Number: 29

Part 1: Log

Date (*)	Time (*)	Duration (*)	Task Details (max 2-3 sentences) (*)	Task ID	Reference Research Document	Student name
1/27/2024	11:45:00 AM	2 hours	Sprint planning and review			Bindiya Vundavalli
2/2/2024	2:00:00 PM	2 hours	Explored various research papers to find the relavant research papers for the assigned project			Bindiya Vundavalli
2/2/2024	5:00:00 PM	3 hours	Started to read and understand the selected research paper	#19	Intelligent management of Bike sharing in smart cities using ML and IOT	Bindiya Vundavalli
2/4/2024	3:00:00 PM	4 hours	Analyzed the paper and documented my understanding of the paper	#19	Intelligent management of Bike sharing in smart cities using ML and IOT	Bindiya Vundavalli
2/5/2024	9:00:00 AM	3 hours	Based on the analysis of the research paper that I studied and the research findings done by the team members, modified the project's requirement document	#20	Ride Sharing Analytics Dashboard Requirement document	Bindiya Vundavalli

Part 2: User Stories/Tasks/Contributions/Roles

Link to Taiga

https://tree.taiga.io/project/msbodavula-ser-517-capstone/timeline

Link to GitHub

https://github.com/Bindiyaa5/SER517team29

Commits

https://github.com/Bindiyaa5/SER517team29/commit/7daca40fcdb70822af42753d2130905d0fd38eb8
https://github.com/Bindiyaa5/SER517team29/commit/94348098eeba78ab86cafd46781847f3e9b63063
https://github.com/Bindiyaa5/SER517team29/commit/32e34612f3a0a623075cdd6529f7416dd1d14c69
https://github.com/Bindiyaa5/SER517team29/commit/79e1c96ce2c07d79cad0e23f880d01a86b207fa4
https://github.com/Bindiyaa5/SER517team29/commit/825469ccec9d913dd91cc05cb6c73894cea7941f

User story #5

As a Frontend Developer, I want to go through all the relevant papers to understand the assigned project's requirements and specifications, and contribute in writing the Requirements document so that I can design an interface that perfectly aligns with the project's requirements and goals.
https://tree.taiga.io/project/msbodavula-ser-517-capstone/us/5?milestone=377681

Task #20

Based on the research and discussions, update the project's requirement document
https://tree.taiga.io/project/msbodavula-ser-517-capstone/task/20

User story #6

As a developer, I want to understand and analyze the paper by reviewing how The integration of IoT and machine learning not only facilitates better management of bike-sharing systems but also paves the way for smarter urban planning and the development of green cities. Through the analysis of real data from London's bike-sharing system, the paper evaluates the effectiveness of the proposed models, demonstrating their capacity to predict bike-sharing volumes with precision.
https://tree.taiga.io/project/msbodavula-ser-517-capstone/us/6?milestone=377681

Task #19

Read the paper, understand and write the insights on it
https://tree.taiga.io/project/msbodavula-ser-517-capstone/task/19

Contribution

I have contributed significantly to the project by understanding and writing insights and relevant research papers. Further, by gaining knowledge on ride sharing systems, I have participated in the discussions about the project proposal and created a requirements document to describe our project's plan.

Roles:

As a developer and researcher, I have gone through various relevant research papers and delved deep into one paper which I found most relevant. I have written my understandings and insights from the paper. With the acquired knowledge, I brainstormed how a project on ride sharing systems could be done. Upon further discussions with team members, created a requirements document for the project.

Part 3: Problems Encountered

Since the time for our submission was less, we've had to navigate the challenges of a condensed timeframe for in-depth research and documentation. To mitigate the risks of superficial analysis and potential gaps in our requirements documentation, we strategically focused on key research papers, employing efficient reading techniques for a more targeted approach.