Team composition

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Link to the GitHub repository with the source code

https://github.com/dcastrillonc/Proyect-AI-for-SW-Engineering

Plan for development

Below is a detail of which member of the team is in charge of each feature to be developed.

No.	Features	Story Points	Team Member
1	User Authentication and Account Management	5	All the team
2	Event Listings and Odds Management	5	Juan Pablo
3	Bet Placement and Transaction Processing	7	Juan Esteban
4	Live Scores and Results	3	Daniela
5	Insight/Recommendation	3	Juan Pablo

Non-AI Challenges and limitations found

This part of the report is dedicated to discussing challenges and limitations encountered during the project that are unrelated to artificial intelligence.

Addressing non-AI related challenges is crucial for providing a comprehensive overview of the project's development process. It ensures a holistic understanding by highlighting operational, environmental and management aspects that influence project success. Including these challenges helps identify areas for improvement, aids in risk management and lays the foundation for more informed decision making in future projects.

Two key limitations were identified:

1. Resource limitations
2. Technical problems in terms of hardware, software or tools we used

Resource constraints, especially in terms of time, significantly impacted our ability to expand and delve deeper into certain areas of the project. On the other hand, we faced technical issues related to the hardware, software and other tools used, which often delayed our progress and demanded creative and efficient solutions. These experiences underlined the importance of meticulous planning and adaptability, teaching us valuable lessons about project management and problem-solving in complex and dynamic environments.

Reflection on how AI tools were used and lessons learned

During the development process, we used AI tools such as ChatGPT, Gemini Code Assistant, Codium and Amazon Q to assist in coding, providing suggestions, optimizing code and ensuring best programming practices. One of the main challenges was training the assistant to understand the specific context of our project, which was essential for getting accurate and fine-tuned responses. As the assistant learned, its ability to effectively contribute to development improved markedly. An important lesson we learned is that successful integration of AI tools requires not only proper technical setup, but also a continuous focus on improving and adapting these technologies to the specific needs of the project. This underscores the importance of patience and iteration in the AI integration process, where constant feedback and detailed evaluation are key to fine-tuning functionality and maximizing the utility of AI tools in complex development environments.