

# Assignment 3

## Collaborative Development of Data Explorer Web App

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Group <put\_group\_number\_here>

<put\_date\_here>

<put\_student\_name\_here> (<put\_student\_id\_here>)

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<put\_github\_link\_here>

94692 - Data Science Practise  
Master of Data Science and Innovation  
University of Technology of Sydney



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## 1. Executive Summary

- Provide an overview of the project, including its objectives and significance.
- Describe the problem statement and the context in which the project was undertaken.
- State the achieved outcomes and results of the project.

Instructions: In this section, provide a brief introduction to the project, including its goals, relevance, and achieved outcomes. Add a concise summary of the problem statement and the overall context of the project.





## 2. Introduction

- Specify the key objectives or goals of the project.
- Identify the stakeholders and their requirements.
- Explain how the project aims to address these requirements.

Instructions: Specify the key objectives or goals of the project, highlighting the desired outcomes. Identify the stakeholders involved and their specific requirements. Explain how the project aims to address these requirements.





### 3. Web App Presentation

- Describe the purpose of the application and its main functionalities.
- Provide instructions to set up and launch the web application.
- Identify the potential users and their use cases of this application. Describe the potential benefits of using it.
- Discuss the potential commercialisation of this application in the future.
- Reflect on the current limitations of this application and potential improvements

Instructions: Describe the application developed for the project, including its benefits and any limitations. Discuss the benefits of building and using this application. Include any example of use cases and type of users that will need this application.





## 4. Reflecting On Building Data Product

- Describe the importance for data scientists to be able to develop data products.
- Identify the key skills and technologies required for developing data products.
- Discuss what other types of data products can be developed by data scientists.
- Reflect on the current trend of AI advancement and how it is or will be bringing more innovation for data products.

Instructions: Describe the importance of developing data products skills for data scientists, in terms of career growth, automation of decision-making process and collaboration with the business. Discuss about potential use cases for developing innovative data products for personal/internal projects and for commercial applications.





## 5. Collaboration

### a. Individual Contributions

- Describe the individual contributions of each team member.
- Explain the specific tasks, responsibilities, or areas of expertise assigned to each team member.
- Highlight any significant contributions or achievements made by individual team members.

Instructions: In this section, each team member should provide a summary of their individual contributions to the project. Explain the specific tasks or responsibilities assigned to each team member and describe their contributions. Highlight any notable achievements or contributions made by individual team members.


### b. Group Dynamic

- Describe the overall group dynamic and collaboration within the team.
- Discuss how team members communicated, coordinated, and shared responsibilities.
- Highlight any strategies or practices adopted to ensure effective teamwork.

Instructions: Reflect on the group dynamic and collaboration within the team. Describe how team members interacted, communicated, and coordinated their efforts throughout the project. Discuss any strategies, tools, or practices that were adopted to ensure effective teamwork and smooth collaboration.

### c. Ways of Working Together

- Explain the methodologies or frameworks used to manage the project within the team.
- Discuss the frequency and format of team meetings, progress tracking, and decision-making processes.
- Highlight any tools or technologies utilized to facilitate collaboration and project management.



Instructions: Explain the methodologies or frameworks employed to manage the project within the team. Describe the frequency and format of team meetings, the approach to progress tracking, and the decision-making processes followed. Highlight any specific tools or technologies that were used to facilitate collaboration and project management.

#### d. Issues Faced

- Identify any challenges, issues, or obstacles encountered during the project.
- Describe how these challenges were addressed and resolved within the team.
- Discuss any lessons learned or recommendations for future group collaborations.

Instructions: Identify and discuss any challenges, issues, or obstacles that the team encountered during the project. Describe how these challenges were addressed and resolved within the team, including any strategies or actions taken to overcome them. Reflect on the lessons learned and provide recommendations for improving future group collaborations.







## 6. Conclusion

- Summarize the key findings, insights, and outcomes of the project.
- Reflect on the project's success in achieving its goals and meeting stakeholders' requirements.
- Discuss any future work, recommendations, or next steps based on the project's outcomes.

Instructions: Summarize the key findings, insights, and outcomes of the project. Reflect on the project's success in achieving its goals and meeting stakeholders' requirements. Discuss any future work, recommendations, or next steps based on the project's outcomes.





## 7. References

- Include a list of references used throughout the project report.

Instructions: Include a list of references used throughout the project report, following the appropriate citation style.

