

# Capstone Project Evaluation

Use this form to evaluate the student on the quality, clarity and completeness of the definition, design and delivery of the project.

Aspect	Score	Notes
<b>Define (20%)</b>		
<b>Business context, stakeholders and value</b> <ul style="list-style-type: none"> <li>Overall understanding of the business domain</li> <li>Explanation of the business context</li> <li>Formulation of the business question</li> <li>Understanding and engagement of stakeholders</li> <li>Estimation of the business value</li> </ul>	/10	
<b>Data description, sources, quality</b> <ul style="list-style-type: none"> <li>Translation of the business question into a data question</li> <li>Defining what data is needed to answer the business question</li> <li>Understand how to source the data</li> <li>Understanding of how the data was generated</li> <li>Understanding of the quality of data and its limitations</li> <li>Understanding of how the data can be sourced in the future</li> </ul>	/10	
<b>Design (30%)</b>		
<b>Data exploration, analysis and visualisation</b> <ul style="list-style-type: none"> <li>Data exploration showing the key entities and their business significance</li> <li>Using effective visualisation to communicate key aspects of the data</li> </ul>	/10	
<b>Documentation: text document, presentation and Notebooks</b> <ul style="list-style-type: none"> <li>Using the appropriate level of details to document the problem, stakeholders and solution</li> <li>Organisation and structure of documentation and code</li> </ul>	/10	
<b>The project planning, effort allocation and next steps</b> <ul style="list-style-type: none"> <li>Understanding of the effort used to perform the design work and remaining effort to complete the project</li> <li>Defining the next steps to bring the</li> </ul>	/10	



project to production		
<b>Delivery (50%)</b>		
<b>Feature Engineering</b> <ul style="list-style-type: none"><li>Using business domain knowledge to select appropriate features</li><li>Using appropriate encoding for each feature</li></ul>	/10	
<b>Creation of an effective reproducible pipeline</b> <ul style="list-style-type: none"><li>Creation of a reproducible pipeline to ingest and prepare data and to train and evaluate the Machine Learning model</li><li>Separation of the modelling pipeline from code for exploring and analysing the data</li></ul>	/10	
<b>Machine Learning model algorithms and accuracy</b> <ul style="list-style-type: none"><li>Selection of the appropriate Machine Learning algorithm</li><li>Evaluation of the model performance</li><li>Applying multiple algorithms and comparing results</li><li>Using appropriate metrics to express model performance</li></ul>	/10	
<b>Overall end-to-end solution</b> <ul style="list-style-type: none"><li>Showing the overall end-to-end solution (UI, model, data, infrastructure).</li><li>State tools, libraries and frameworks used in the development of the model and planned for the delivery of the solution.</li><li>Appreciation of the effort and skills required to implement the whole solution</li></ul>	/10	
<b>Delivery of the presentation, poise and audience engagement</b> <ul style="list-style-type: none"><li>Ability to deliver a clear, concise and engaging presentation</li><li>Ability to listen effectively and address questions</li><li>Overall poise, confidence and rapport with the audience</li><li>Keeping the time</li></ul>	/10	
<b>Total and overall notes</b>	/100	