


SEPA Students Contribution Statement (Who Did What?)

As you are to be individually assessed it is necessary to ensure your marker understands your individual contribution.



This document is to demonstrate who was responsible for each piece or contribution to each piece of work in your project.


The details of this document must reconcile with your project documents, your work logs, peer reviews and meeting minutes.

The following is a template to present and must be signed by all team members.

Project Title	
Team Member	Activity (these are suggestions of the ways you may have contributed. There may be others and some may not be applicable). You may also add comments to further explain your contribution or partial contribution to an activity.
Team Member 1 Photo  Name: Bernard Joshua Raja Rajan Student No: 103365867	Software Development <i>Details:</i> <ul style="list-style-type: none"> Prepared the Introduction, Overall Description and Functional Requirements for the software requirement document as well as proof-read and edited the finalized document. Coded the simulation code for the backend of the prototype. Code simulates real-time crypto prediction. Design <i>Details:</i> <ul style="list-style-type: none"> Prepared the high-level architecture for the Software Design and Research document as well as did the final proof-reading and edits of the finalized document. Research <i>Details:</i> <ul style="list-style-type: none"> Carried out research into the different types of cryptocurrencies that the team can use for the prediction software. Carried out research on the frameworks that can be used to build the software. Found out Microsoft Azure was the best framework to use. Carried out research on Microsoft Azure to find out how to navigate it and use it to create a prediction software. Carried out research into different types of Machine and Deep Learning algorithms that can be used in the software. Carried out research into cloud systems and architecture to design the high-level architecture of the software. Carried out research into how to reduce costs of deploying and maintaining the software through Azure.

	<p>Project Management</p> <p><i>Details:</i></p> <ul style="list-style-type: none"> • As team leader I plan before hand about the tasks each sub-team or team member must complete for the following week as well as set internal deadlines for the team. • Have one on ones with team members to figure out their progress and track it. • Set contingencies in place whenever team members have problems and deadlines cannot be met. • Main liaison between the employer and the team. <p>Meetings</p> <p><i>Details:</i></p> <ul style="list-style-type: none"> • Calls for and leads all meetings. • Proof-reads, edits, and finalizes the meeting minutes. <p>Presentation</p> <p><i>Details:</i></p> <p>Main presenter - Leads the presentation and takes the questions from the audience.</p> <p>Prepared the slides for the backend explanation (<i>High-Level design, Software requirements, SEPB plans, and future plans slides</i>).</p>
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<p>Team Member 2</p>  <p>Name: Danial Imran Sulaiman Vernon</p> <p>Student No: 103701416</p>	<p>Software Development <i>Details:</i></p> <ul style="list-style-type: none"> • Prepared the Interface Requirements which consisted of User Interfaces, Hardware Interfaces, Software Interfaces and Communication Interfaces for the software requirement document • Prepared the UI Prototype design using Figma as well as coded the frontend of the prototype. <p>Design <i>Details:</i></p> <ul style="list-style-type: none"> • Prepared the problem analysis for the Software Design and Research document. <p>Research <i>Details:</i></p> <ul style="list-style-type: none"> • Carried out research into the different types of cryptocurrencies that we will be using in the software. • Carried out research on the frameworks that can be used to build the software. Research more in-depth on Microsoft Azure. • Carried out research into programming languages that will be used (HTML,CSS,C#,etc...) • Carried out research on how to utilize Microsoft Azure as a service. • Carried out research into ASP.NET as it will be utilized as a framework for the software. • Carried out research into usability heuristics for the frontend of the software. <p>Meetings <i>Details:</i></p> <ul style="list-style-type: none"> • Participated in all meetings and gave helpful suggestions.
<p>Team Member 3</p> 	<p>Software Development <i>Details:</i></p> <ul style="list-style-type: none"> • Worked on the High-Level System Architecture for the SRS document, as well as helped out on the overall description for the software. • Helped out with the Javascript portion of the prototype by helping to simulate the graph changing in real time. <p>Design <i>Details:</i></p>

	<ul style="list-style-type: none"> • Worked on the Object Oriented Design, justification and verification for the Software Design and Research document <p>Research <i>Details:</i></p> <ul style="list-style-type: none"> • Carried out research into the popular cryptocurrencies that we want to use for our project. • Researched on how to best use available API to get real time data for our machine and deep learning algorithms to use. • Researched on how to send real time data to the user so they can be able to view. • Researched on what kind of algorithms would be best suited for prediction cryptocurrencies. • Researched on already available cryptocurrency prediction services to see how other people have tried implementing it. <p>Meetings <i>Details:</i></p> <ul style="list-style-type: none"> • Took notes of all meeting minutes as well as topic discussed and location of meeting. • Joined every meeting and gave my opinion on how to complete tasks on time
<p>Team Member 2 Photo</p>  <p>Name: Cheong Ming Xuan</p> <p>Student No: 103701377</p>	<p>Software Development <i>Details:</i></p> <ul style="list-style-type: none"> • Prepared the Non-Functional (quality) Requirements which consisted of functional suitability, usability, reliability, security, portability, maintenance and performance. • Prepared the UI Prototype design using Figma as well as coded the frontend of the prototype. <p>Design <i>Details:</i></p> <ul style="list-style-type: none"> • Prepared the problem analysis part for the Software Design and Research document such as System Goals and Objectives, Assumptions and Simplifications. • Designed the UI prototype in Figma. <p>Research <i>Details:</i></p> <ul style="list-style-type: none"> • Carried out research into the different types of cryptocurrencies that we will be using in the software.

	<ul style="list-style-type: none"> • Carried out research on the frameworks that can be used to build the software. Research more in-depth on Microsoft Azure. • Carried out research into programming languages that will be used (HTML,CSS,C#,etc...) • Carried out research on how to utilize Microsoft Azure as a service. • Carried out research into ASP.NET as it will be utilized as a framework for the software. • Carried out research into usability heuristics for the frontend of the software. • Carried out research on ASP.NET for frontend coding and designing. <p>Meetings <i>Details:</i></p> <ul style="list-style-type: none"> • Present in all meetings and gave thoughtful suggestions.
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Continue... for all team members

I declare this is an accurate description of team contributions of the team members

Team Member Name	Signature	Date
Bernard Joshua Raja Rajan	<i>Bernard</i>	24 th June 2022
Danial Imran Sulaiman Vernon	<i>Danial Imran</i>	24 th June 2022
Ming Xuan	<i>Cheong Ming Xuan</i>	24 th June 2022
Lionel Junior	<i>LJ</i>	24 th June 2022