**Software Documentation**

**Cover Page with the name of your consultancy company**

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**Problem statement** **/2**

Identify the needs the functionality needs of the client and the boundaries of the program.

Blockchain is a distributed ledger technology that enables digital assets to be transacted and traded in near real time. The record it keeps is permanent and irreversible.

Blockchain has two main applications. One familiar use of blockchain technology involves trading and managing cryptocurrencies like Bitcoin. The other main use of blockchain is for managing transactions related to trade and commerce, including finance processes like payables, receivables, and compliance. We think of these as business blockchains.

Business blockchains are being used to reinvent how transactions are managed. They can take time and costs out of almost any process, enabling near real-time operations. And they deliver a high degree of accuracy and control, with much less risk than many alternatives. Blockchains perform recordkeeping using automated, low-cost mechanisms. They enable asset transfer through secure, real-time methods. And they provide governance in the form of smart contracts. A smart contract makes sure each part of a transaction is validated the instant it happens, triggering the next required action, exactly when it is supposed to occur, until the process is complete.

Business blockchains are set up by a single company or a group of companies where participants are specified and known. They’re designed to improve transaction processing. Public blockchains that support cryptocurrencies like Bitcoin are an entirely different thing. Finance can generate significant value from business blockchains without having anything to do with digital currencies



**Issues relevant to program /3**

Evaluate ONE social or ethical consideration in developing this program.



**Interface design /3**

Using a design tool develop a mock interface for your program's main interface. Your team needs to ensure that you consider the needs of the intended audience and address any ergonomic and design issues.



**Quality assurance criteria /2**

Describe the criteria the program needs to meet.

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**Feasibility Study /10**

Conduct a feasibility study on the on the feasibility of your project, the report must contain the following sections:

* **Define the problem:** you can copy and paste this from your problem definition statement
* **Economic feasibility:** assess the economic feasibility of the program
* **Technical feasibility:** assess whether the program can be technically created.
* **Operational feasibility:** assess whether you can operationally design, create and maintain the program
* **Scheduling feasibility:** assess whether there will be any scheduling issues in creating the program
* **Recommendation:** recommend whether your team can develop the program

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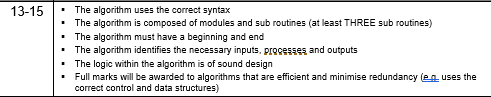
**Gantt Chart /5**

Construct a Gantt chart that outlines the tasks that need to be completed in order to design the program.

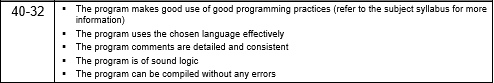


**Algorithm /15**

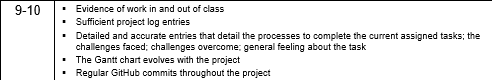
Using Pseudocode develop an algorithm that demonstrates the logic of proposed application.

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**Commented Code**

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**Project Work Evidence**

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**Showcase Video**

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