1. Develop a ***Use Case diagram*** for the scenario covering all major and important supporting use cases from the above case.

Diagram, engineering drawing, schematic

Description automatically generated

Diagram

Description automatically generated

2. Create **two** ***Use Case Descriptions*** for any two major use cases from your use case diagram. The use case description should include the use case name, actor, brief description, normal flow of events, and exception flow of events.

|  |  |
| --- | --- |
| Use Case Name: | Setup payment |
| Primary Actor: | Subscriber |
| Brief Description: | Once the contract is chosen, the subscriber must pay the subscription fee |
| Stakeholders: | Subscriber, Bank |
| Trigger: | When a contract is chosen |
| Normal flow of events: | 1. The subscriber chooses the subscription they desire 2. The system calculates the correct subscription price based on the contract and plan chosen by the subscriber 3. Subscriber will be requested to add their credit card details 4. Users can opt for auto or manual renewal. |
| Alternate/Exception flow: | * If the entered credit card number is invalid, the system displays error message. * The subscriber must choose either to opt in or out of the auto renewal payment method – if they do not choose either of them, the system displays a message asking the user to choose one. |

|  |  |
| --- | --- |
| Use Case Name: | Answer health questionnaire |
| Primary Actor: | Customer |
| Brief Description: | Entering health-related details to help the system to assess relevant metrics |
| Stakeholders: | Customer |
| Trigger: | Once the registration of their account is done, the system automatically generates the first questionnaire and makes it available to the customer |
| Normal flow of events: | 1. Customer gets the questionnaire. 2. Fills in the questions 3. The answers get stored in the customers’ DB |
| Alternate/Exception flow: | * The product’s features will be restricted until the user fills the questionnaire. If the customer doesn’t fill the questionnaire and doesn’t not get the assessment requirement to move forward. |