1. **Project Report:**
   * **Submit the Astah files of all your diagrams (If you changed the designs after implementing the code, please label the diagrams v1 and v2 to identify them.)**
   * **Use case diagram**
   * **Class diagram**
   * **Sequence diagrams**
   * **State machine of message broker**

For the Astah files, you should include all diagrams in the ".asta" format, labeled appropriately according to the version if there are multiple iterations.

1. **Before Coding:**
   * Describe the strategies you used to create your initial diagrams.
   * Show and explain your initial designs to one other person in the class. MUST include their name in the report. Describe their feedback and how you adjusted your diagrams afterward.
   * For the class, sequence, and state machine diagrams, explain how the different components are meant to interact with each other.
2. **After Implementing the Java Code:**
   * Describe what challenges occurred when trying to implement the project following your initial designs.
   * If your code deviates from the designs, create a new set of diagrams to show the new software structure.
3. **Project Code:**
   * Submit a .zip of your source code.

Let's organize these requirements into a structured format for your final submission:

**Project Report:**

1. **Diagrams:**
   * Astah files:
     + Use case diagram (v1, v2 if applicable)
     + Class diagram (v1, v2 if applicable)
     + Sequence diagrams (v1, v2 if applicable)
     + State machine of message broker (v1, v2 if applicable)
2. **Before Coding:**
   * Strategies for initial diagram creation.
   * Feedback received from another classmate (include their name).
   * Adjustments made to diagrams based on feedback.
   * Explanation of component interactions in class, sequence, and state machine diagrams.
3. **After Implementing Java Code:**
   * Challenges encountered during implementation.
   * Any deviations between the code and initial designs.
   * New set of diagrams showing the updated software structure (if applicable).
4. **Project Code:**
   * Submit a .zip of your source code.