**Project Overview**

1. **“Vision”**

**General Vision**

The general vision of the system key features is to allow the manager keep track of the warehouse stock in detail. Keeping track allows the manager to plan ahead and optimise the processes for major decision-making as the system can output a summary of how the warehouse is operating.

**Core Project’s Requirements**

* Record incoming and outgoing stock
* Categorize the stock in relation to their type
* Search and display available stock
* Search and display stock in accordance to price range and quantity
* Summary Report of incoming and outgoing stock
* Data stored encryption
* Login authentication encryption/decryption
* Unsuccessful login – system locked
* Provide stock item alerts for below threshold limit

**Main Constraints**

* System to be implemented in C++ and to run on Linux OS
* Simple textual “menu-select” style of user interface

1. **Initial Use-Case Model**
2. **Project Plan**

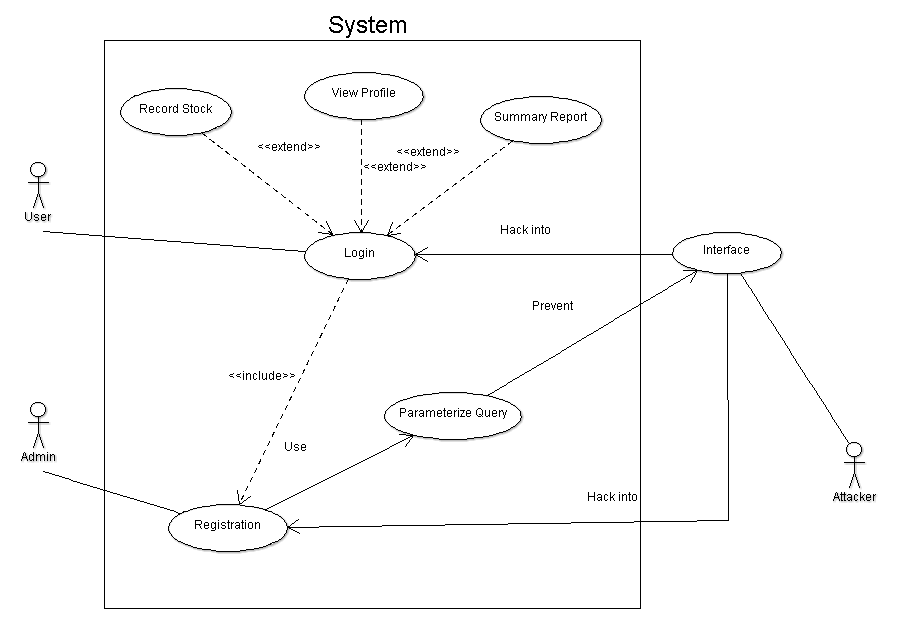
**Roles and Responsibilities**

|  |  |  |  |
| --- | --- | --- | --- |
| Team Number: <A4> | | | |
|  | **Student Name** | **Role** | **Artefacts** |
| 1 | Ishan Ali | Manager | SRS Report |
| 2 | Deddy | Designer / Tester | Use Cases, Domain Model |
| 3 | Jun Kiat | Lead Programmer | SRS Report |
| 4 | V Prathyaksha | Integration / Programmer | SRS Report |
| 5 | Ken | Designer / Tester | Use Cases, Domain Model |
| 6 | Reynard Tan | Intergration / Documenter | Business Case Process |

**Risk Analysis and Counter Measures**

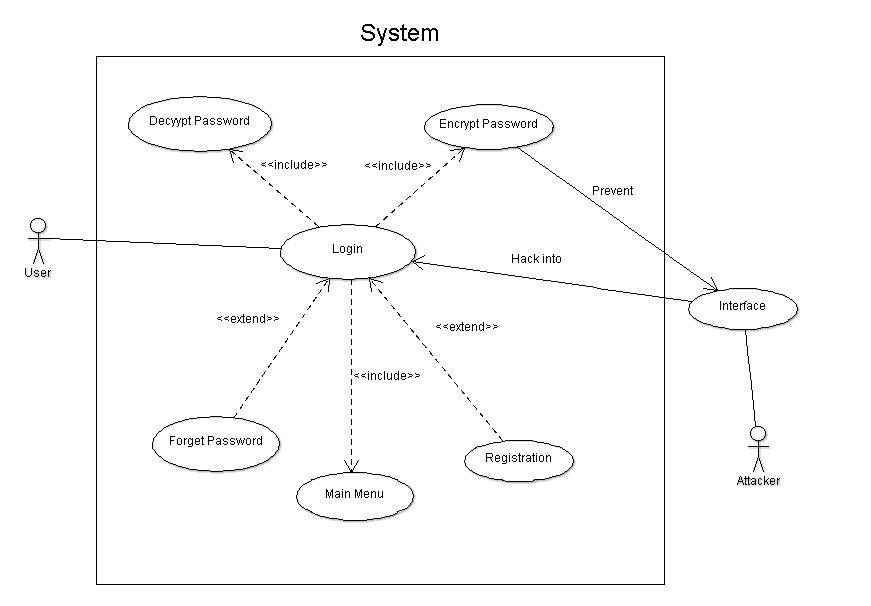
**Design Artefacts – Use Cases (Iteration 1)**

**General**

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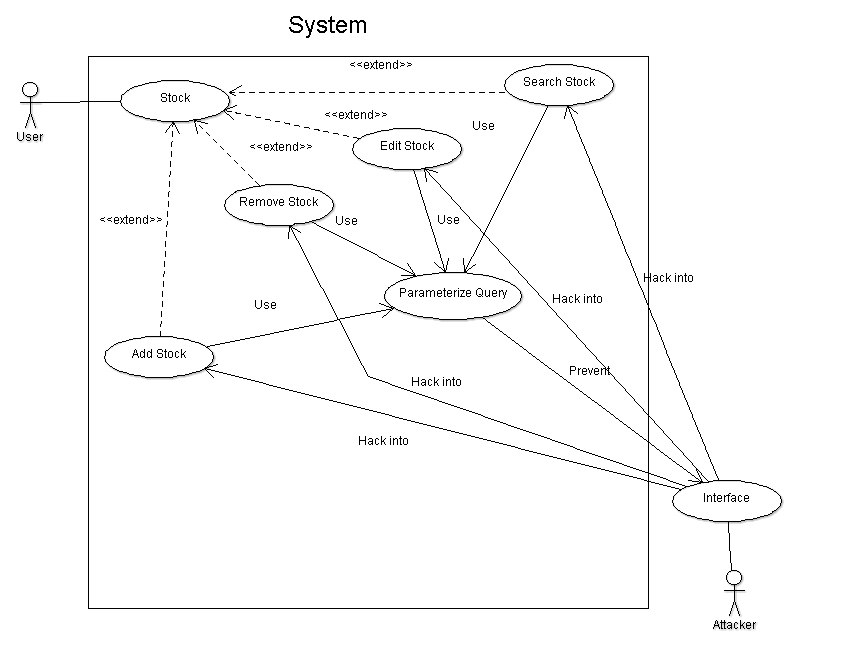
**Design Artefacts – Use Cases (Iteration 1)**

**Login**

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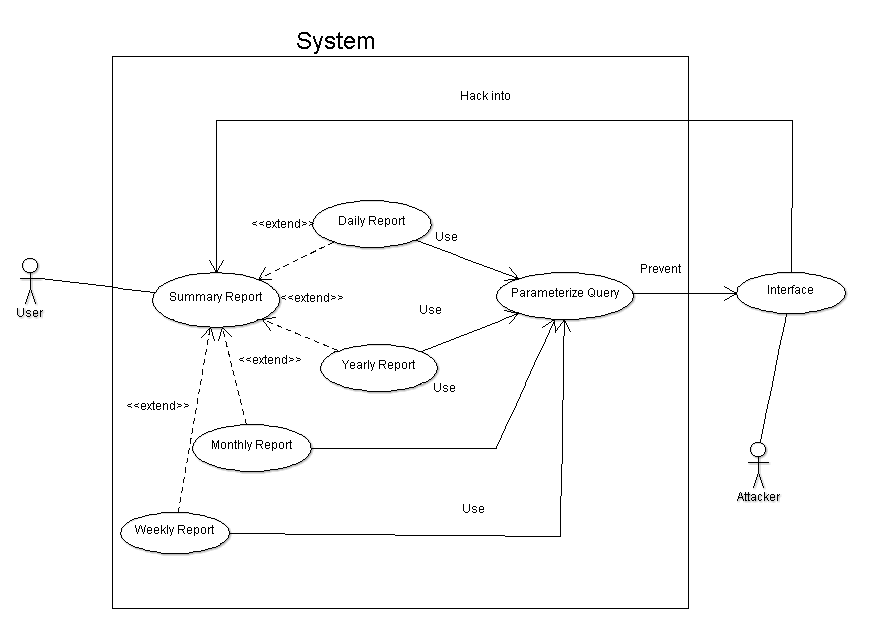
**Design Artefacts – Use Cases (Iteration 1)**

**Stock**

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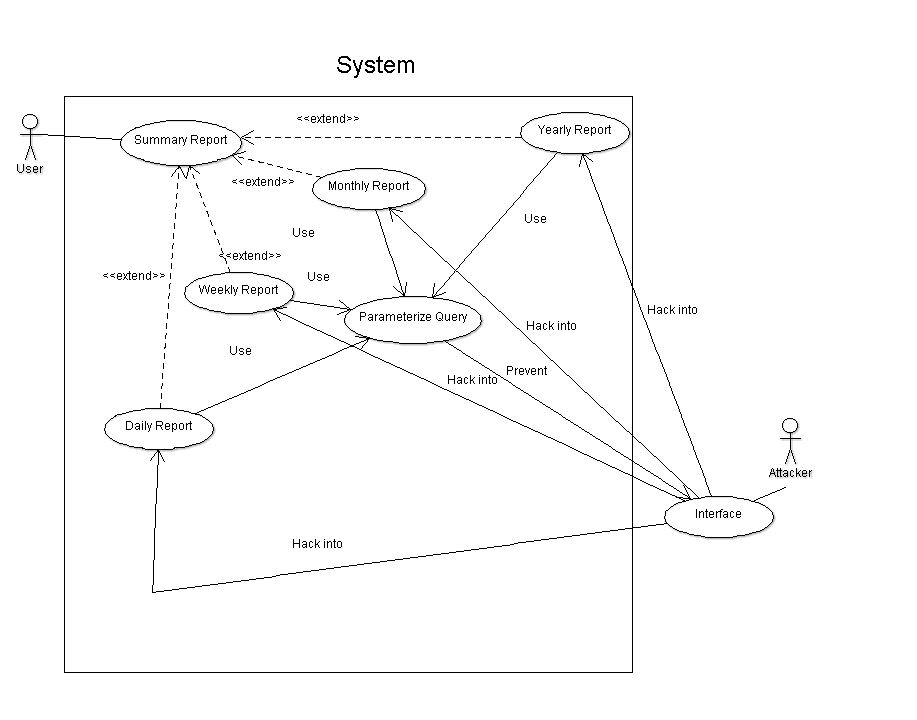
**Design Artefacts – Use Cases (Iteration 1)**

**Summary**

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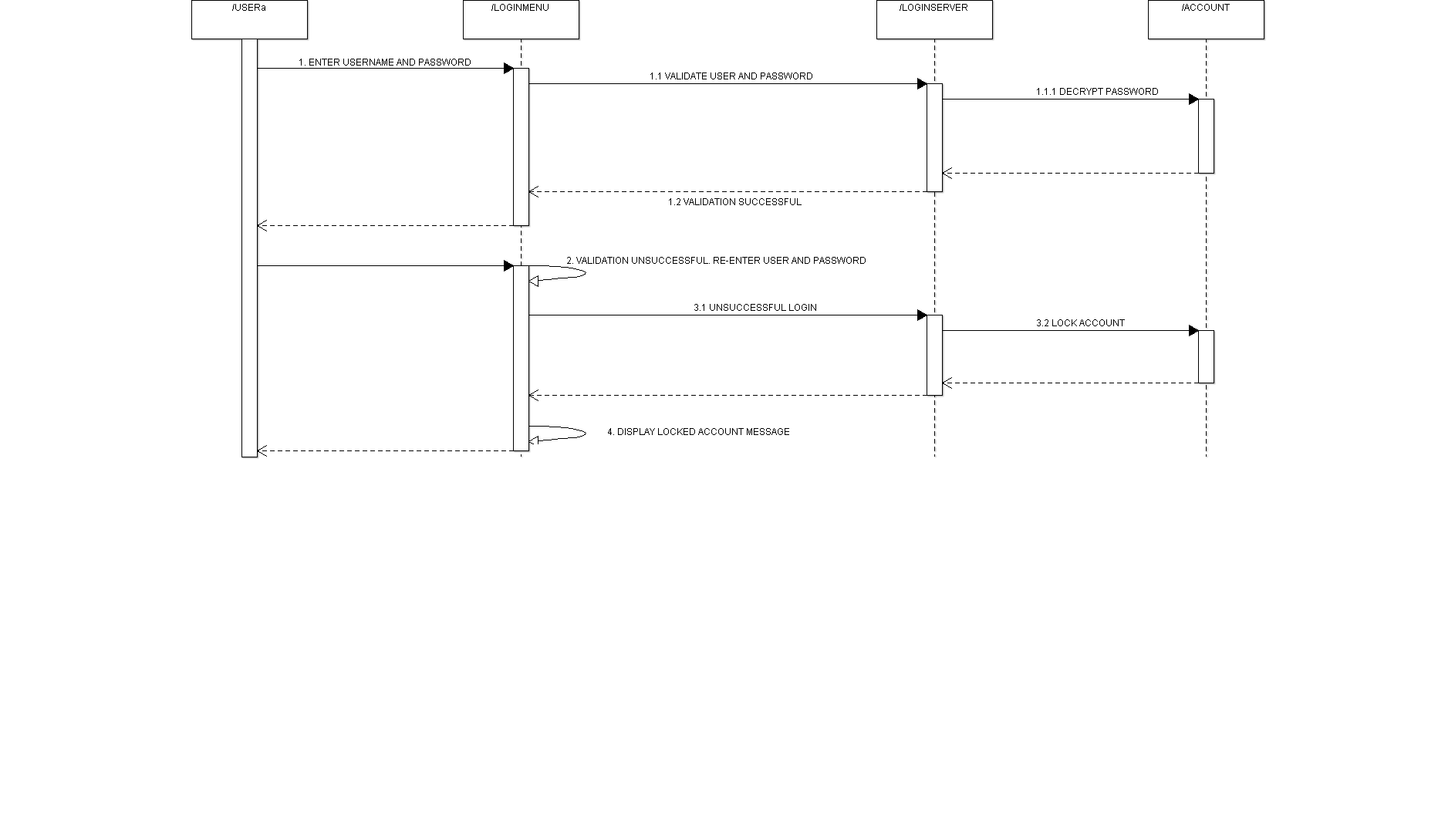
**Design Artefacts – Use Cases (Iteration 2)**

**Summary**

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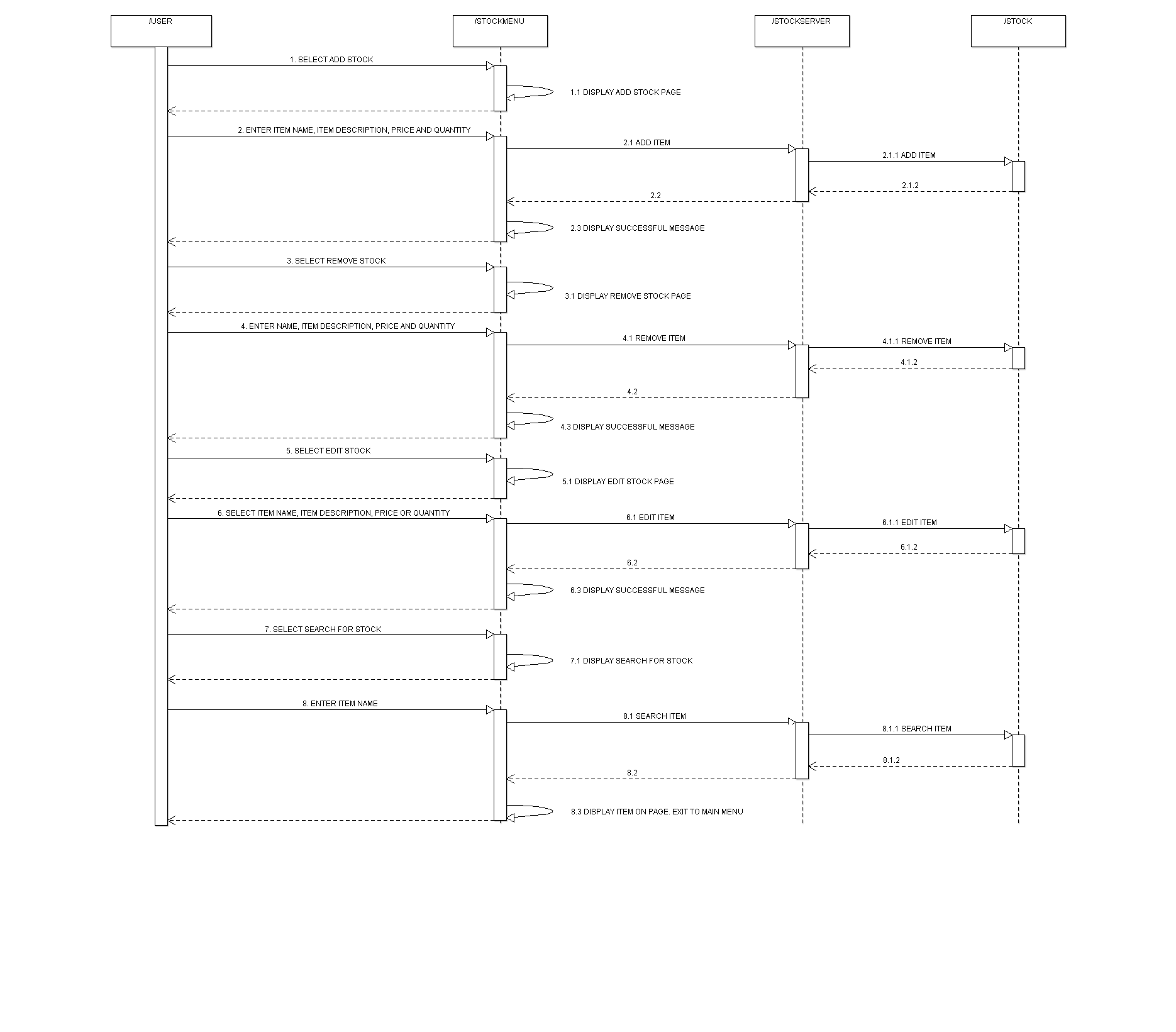
**Design Artefacts – Activity Workflows (Iteration 1)**

**Login**

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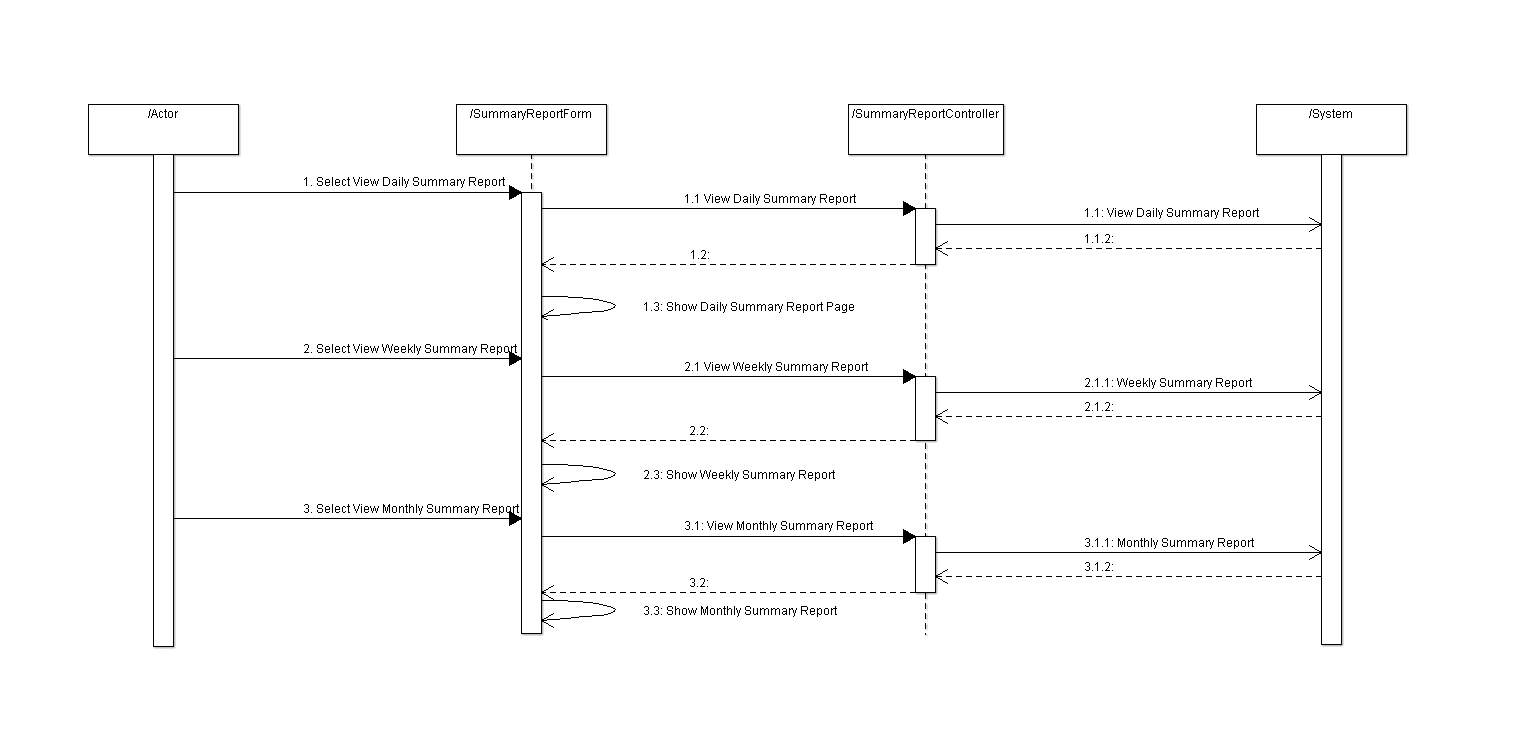
**Design Artefacts – Activity Workflows (Iteration 1)**

**Stock**

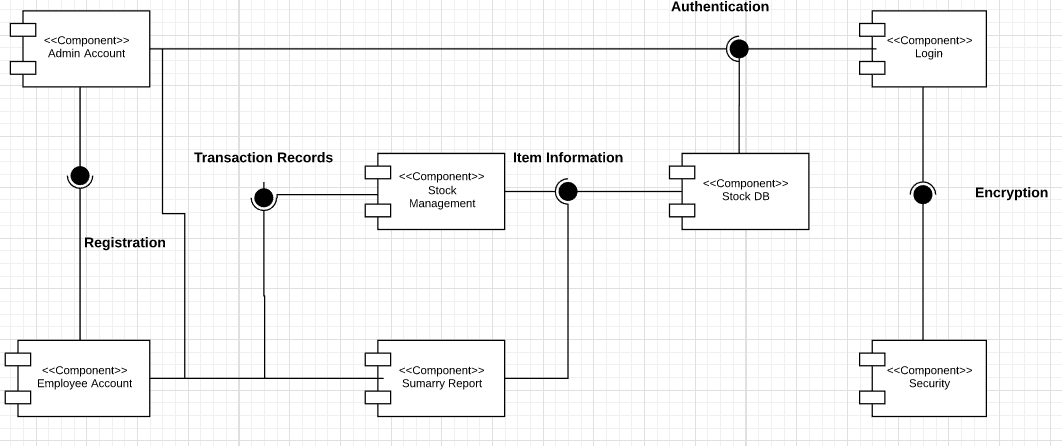
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**Design Artefacts – Activity Workflows (Iteration 1)**

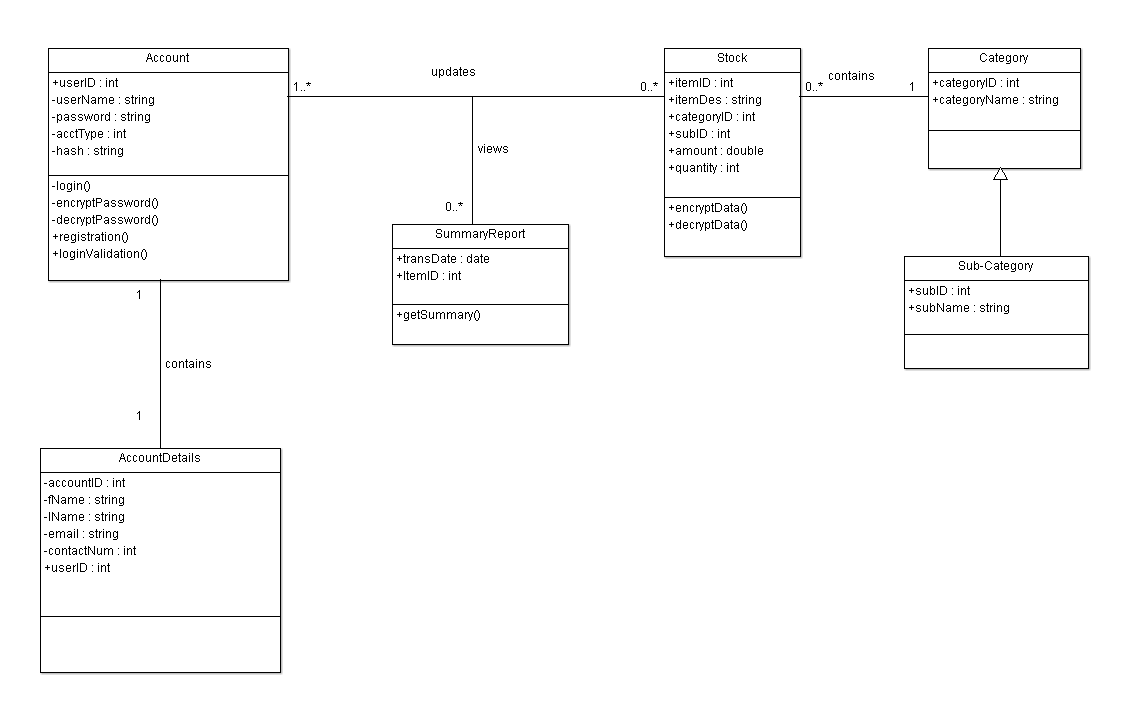
**Summary Report**

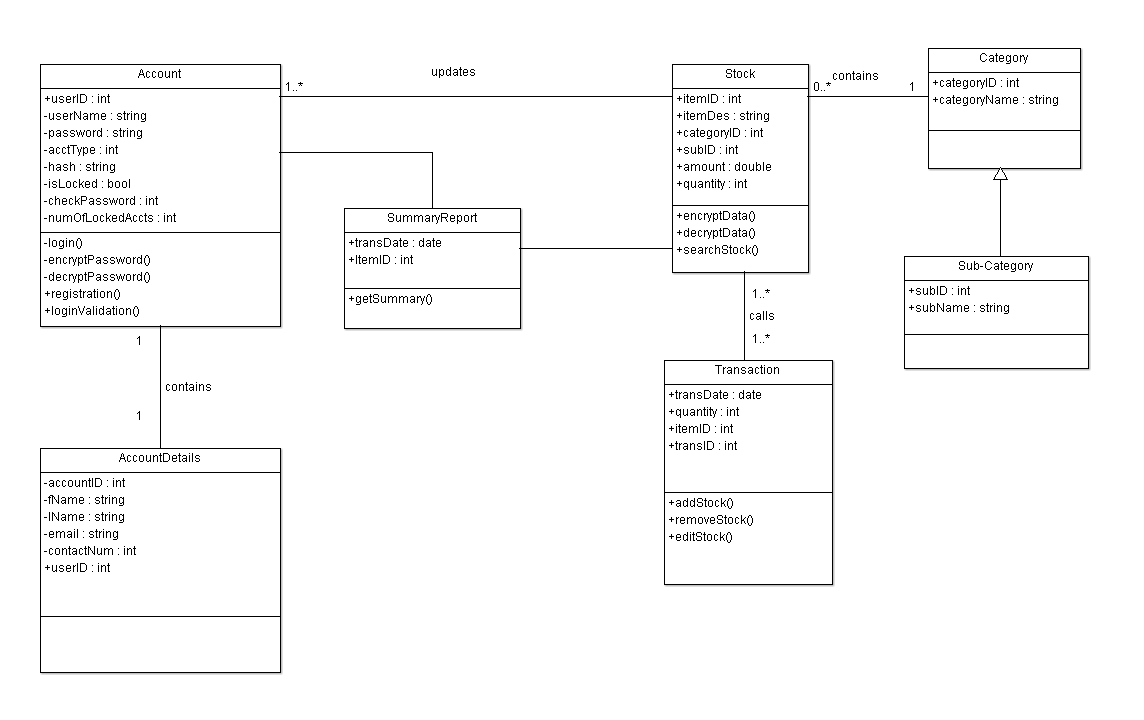
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**Design Artefacts – Component Diagrams (Iteration 1)**

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**Design Artefacts – Class Diagrams (Iteration 1)**

**Design Artefacts – Class Diagrams (Iteration 2)**

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**Appendix**