**Assignment 4 – Advanced Design Patterns by Umme Athiya**

**PART A: - CoR Pattern**

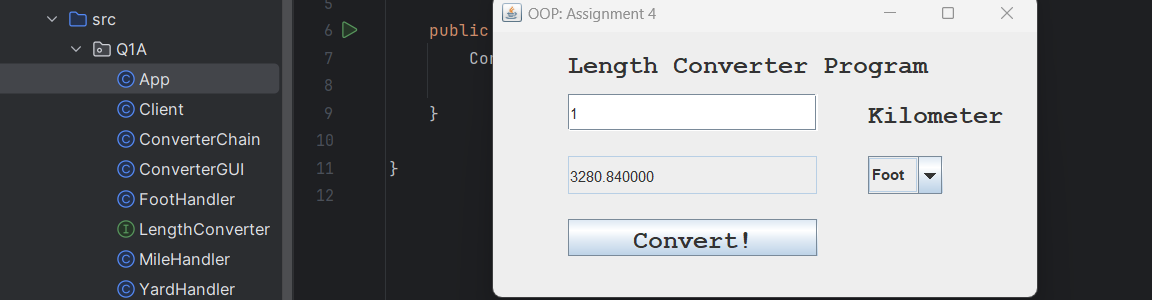
A screenshot of a computer

Description automatically generated**(Part A: - Screenshot 1.1)**

**A screenshot of a computer

Description automatically generated**

**(Part A: - Screenshot 1.2)**

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**(Part A: - Screenshot 1.3)**

**A screenshot of a computer

Description automatically generated**

**(Part A: - Screenshot 1.4) – “Input taken as String”.**

**A screenshot of a computer

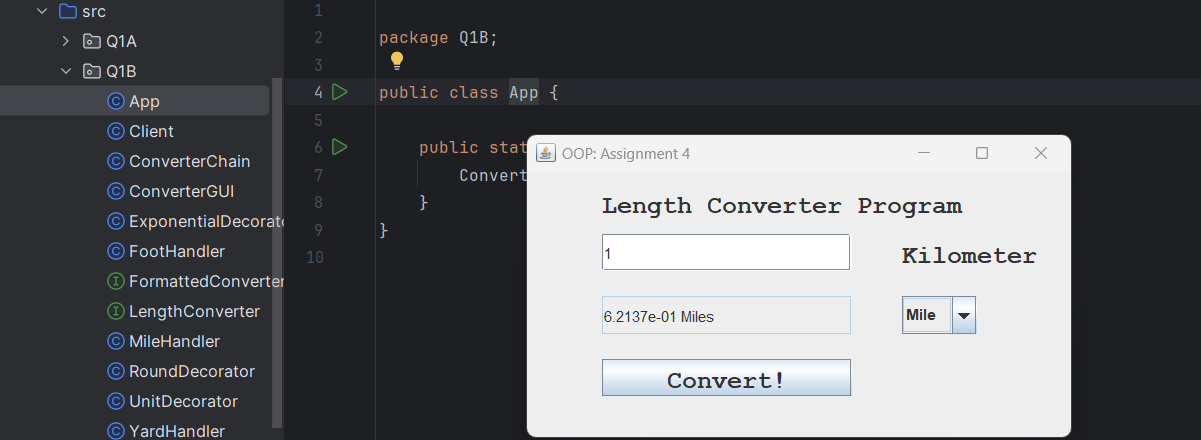
Description automatically generated**

**(Part A: - Screenshot 1.5) – “Null input is specified”.**

**A screenshot of a computer

Description automatically generated**

**(Part A: - Screenshot 1.6) – “Negative value input is specified”.**

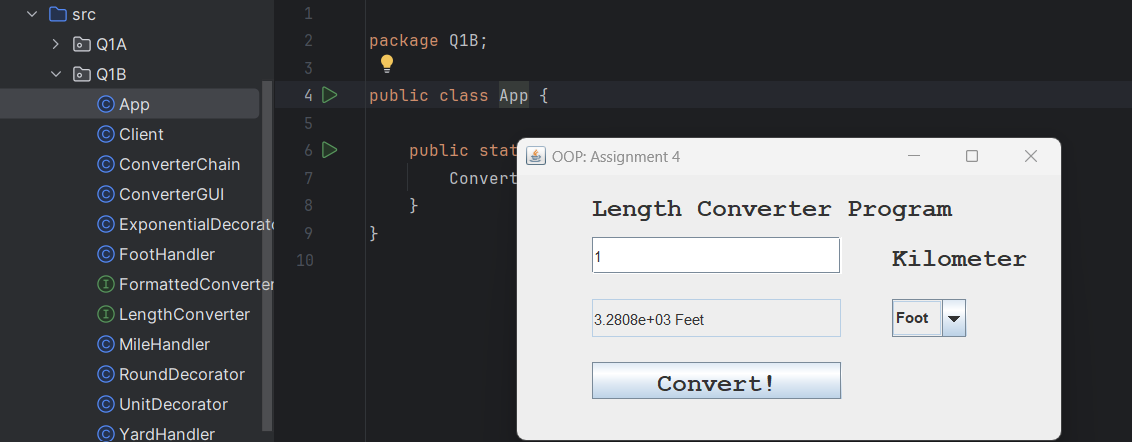
**PART B: - Decorator Pattern**

**(Part B: - Screenshot 2.1)**

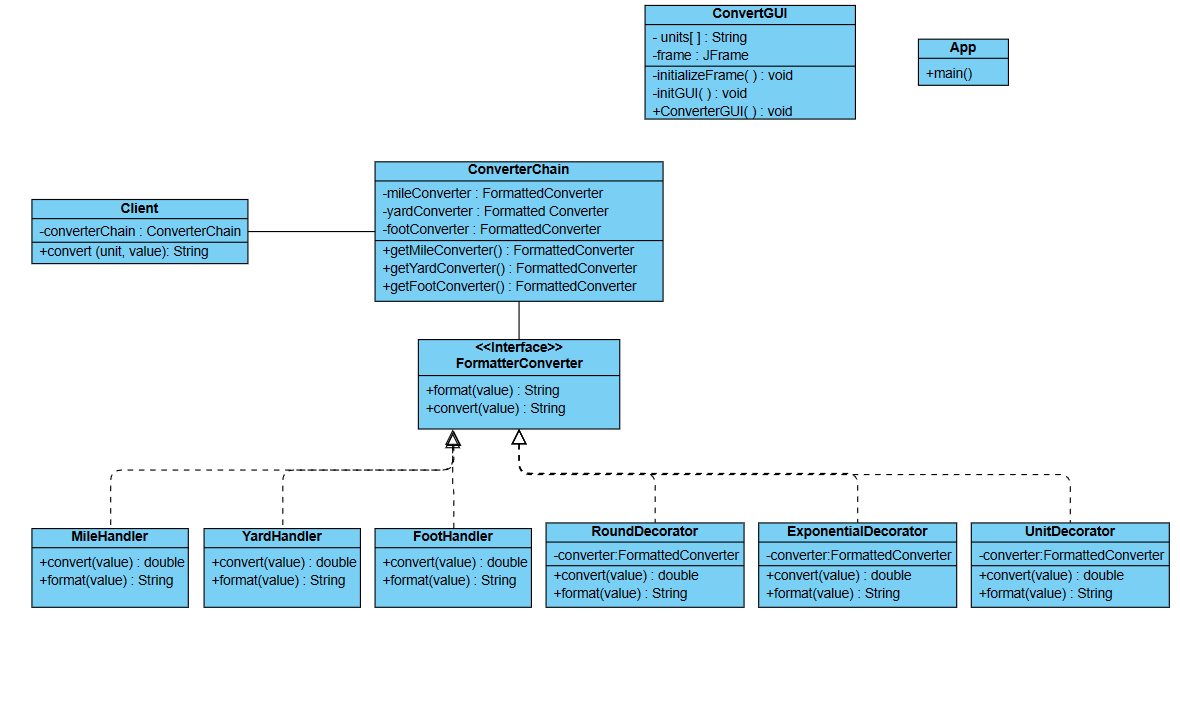
**A screenshot of a computer

Description automatically generated**

**(Part B: - Screenshot 2.2)**

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**(Part B: - Screenshot 2.3)**

**UML Diagram**