Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 20/11/2020 | 1.0 | Added sequence and diagram to Component 2 (View) | Aleyna Ölmezcan  Abdullah Saydemir |
| 20/11/2020 | 1.1 | Added sequence and diagram to Component 1 (Model) | Emin Sadikhov  Esad Simitcioğlu |
| 20/11/2020 | 1.2 | Added sequence and diagram to Component 3 (Controller) | Özge Yılgür  Burcu Arslan |
| 26/11/2020 | 1.3 | Added interface information to 3.2.1 | Aleyna Ölmezcan  Abdullah Saydemir |
| 26/11/2020 | 1.4 | Added interface information to 3.1.1 | Emin Sadikhov  Esad Simitcioğlu |
| 26/11/2020 | 1.5 | Added interface information to 3.3.1 | Özge Yılgür  Burcu Arslan |

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# Introduction

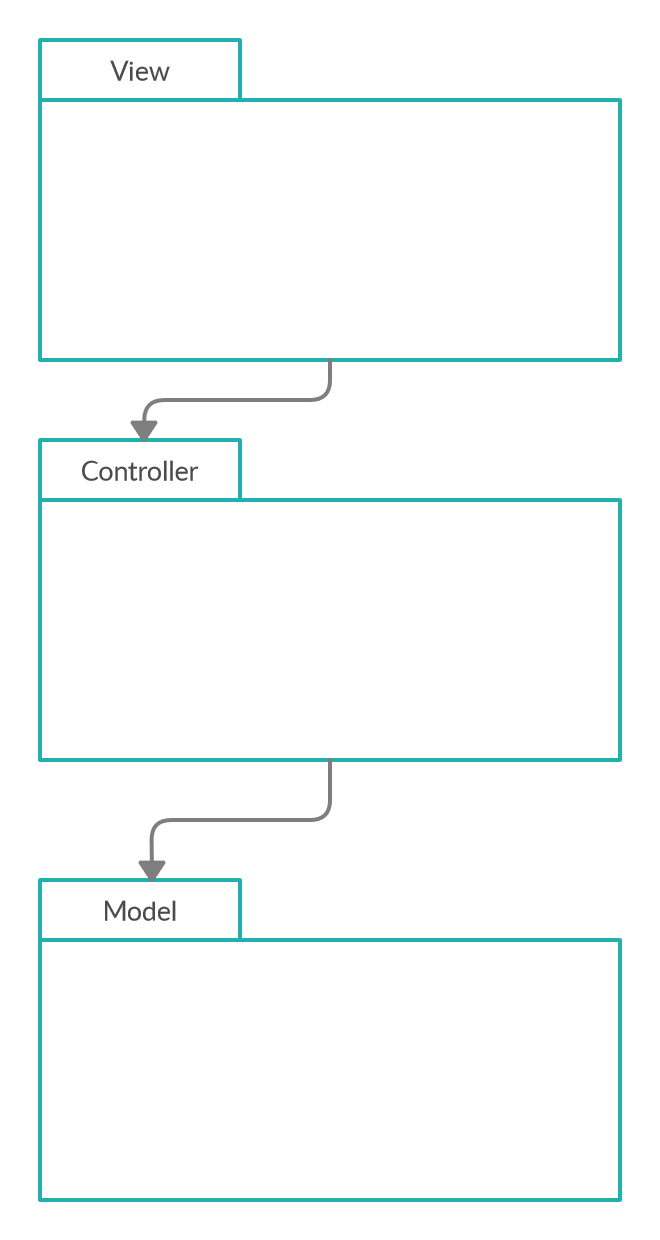
This document describes the design of the OzU-G software system.

## References

### Project References

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [SRS] | OzU-G-SRS-1 | OzU-G Software Requirements Specifications |
| [SDP] | OzU-G-SDP-1 | OzU-G Software Development Plan |

# Software Architecture overview

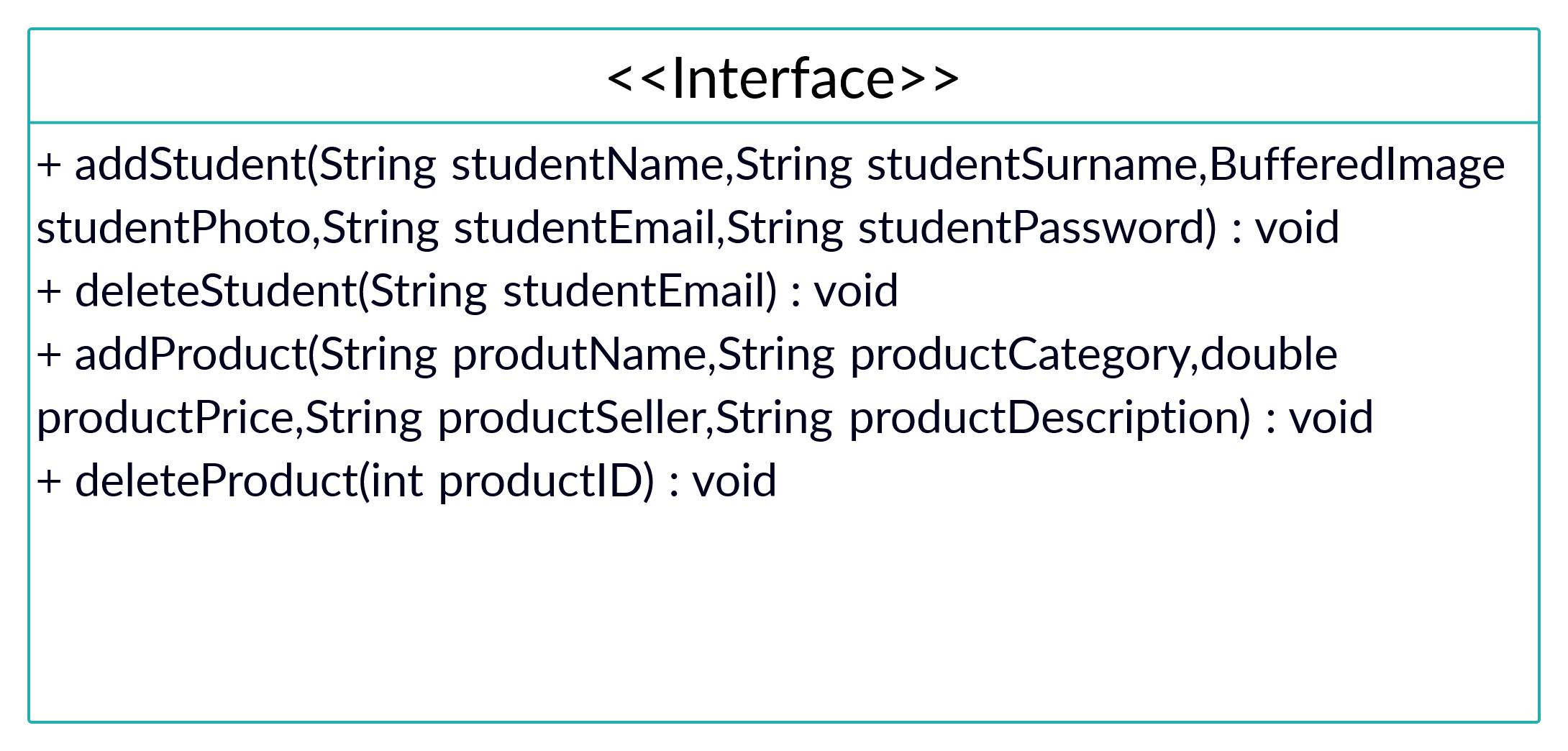


There are three main packages: Model, View and Controller. The Controller uses Model, and View uses Controller. When interacted with View, Controller updates the Model and View according to the interaction.

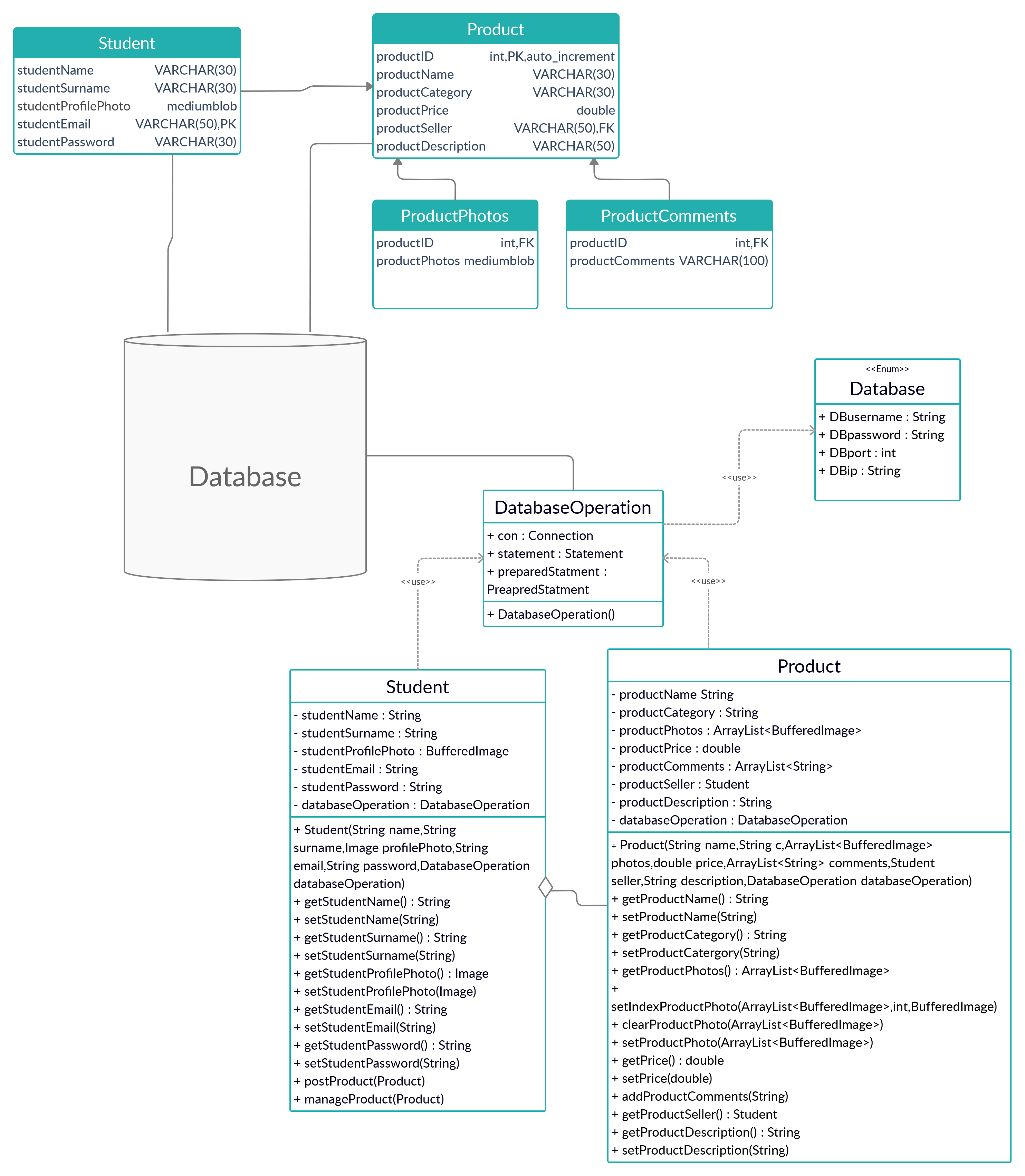
# Software design description

## Component 1

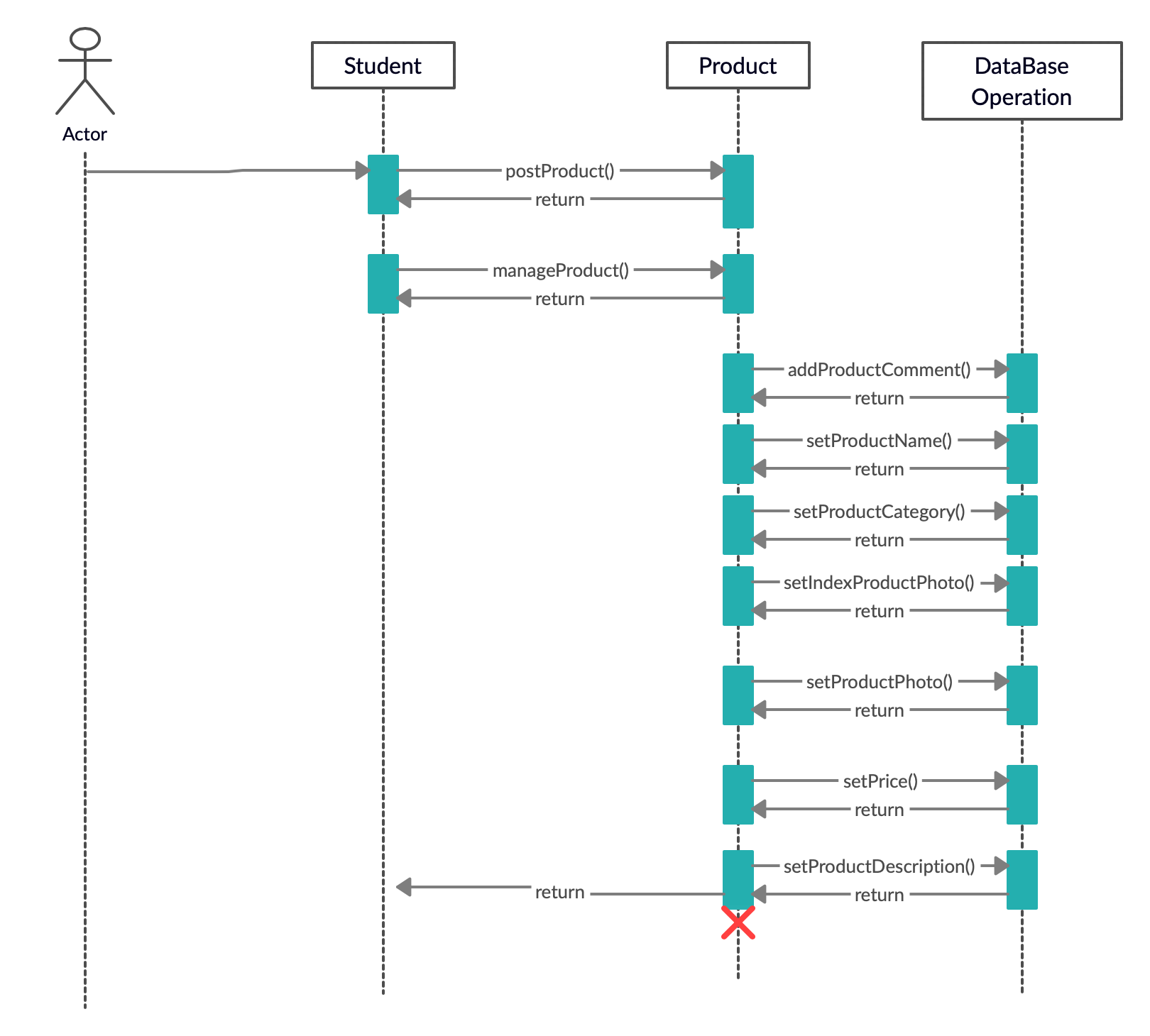
### Component interfaces



### Component design description



### Workflows and algorithms



### Software requirements mapping

SRS-OzU-G-006

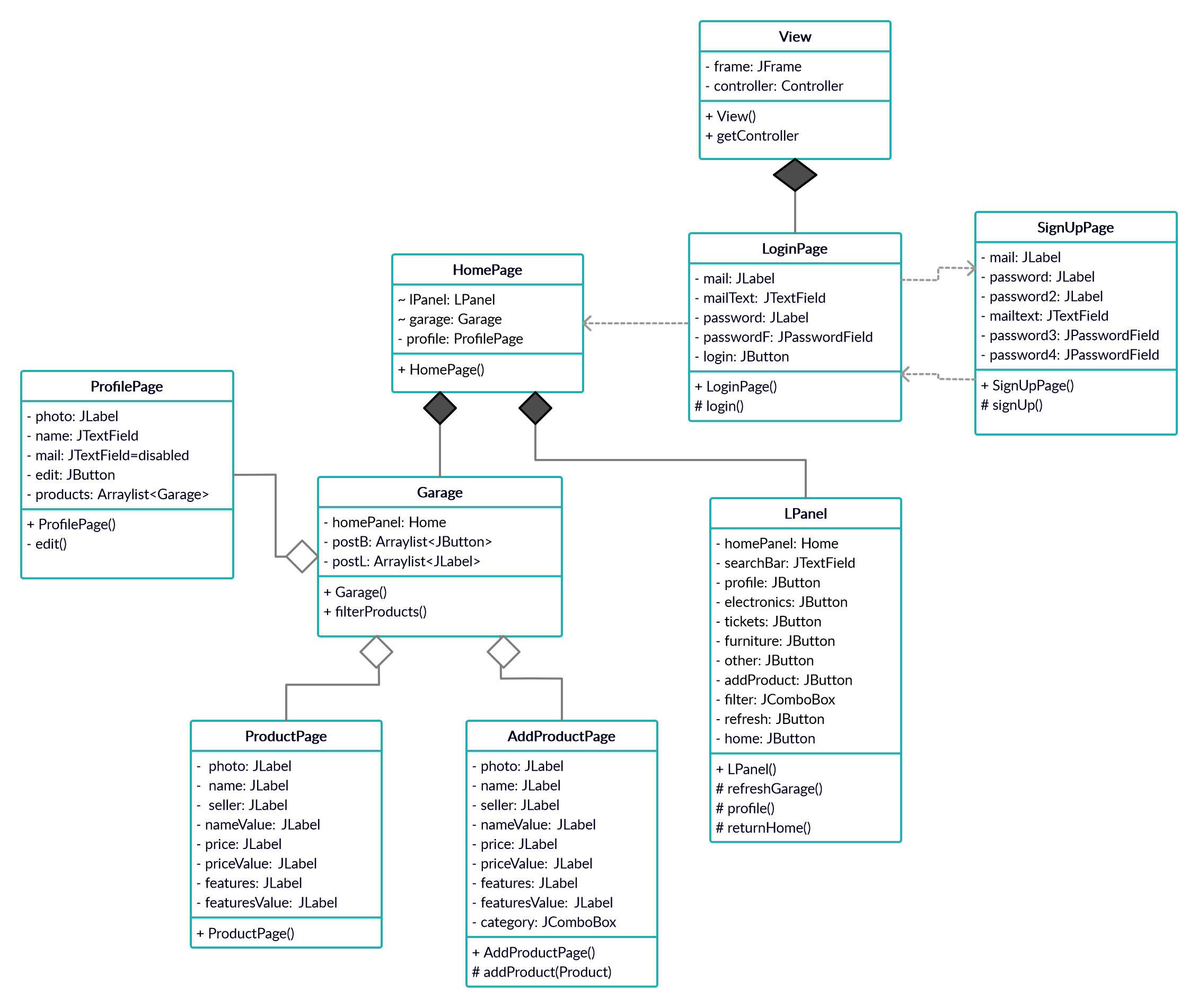
SRS-OzU-G-007

## Component 2

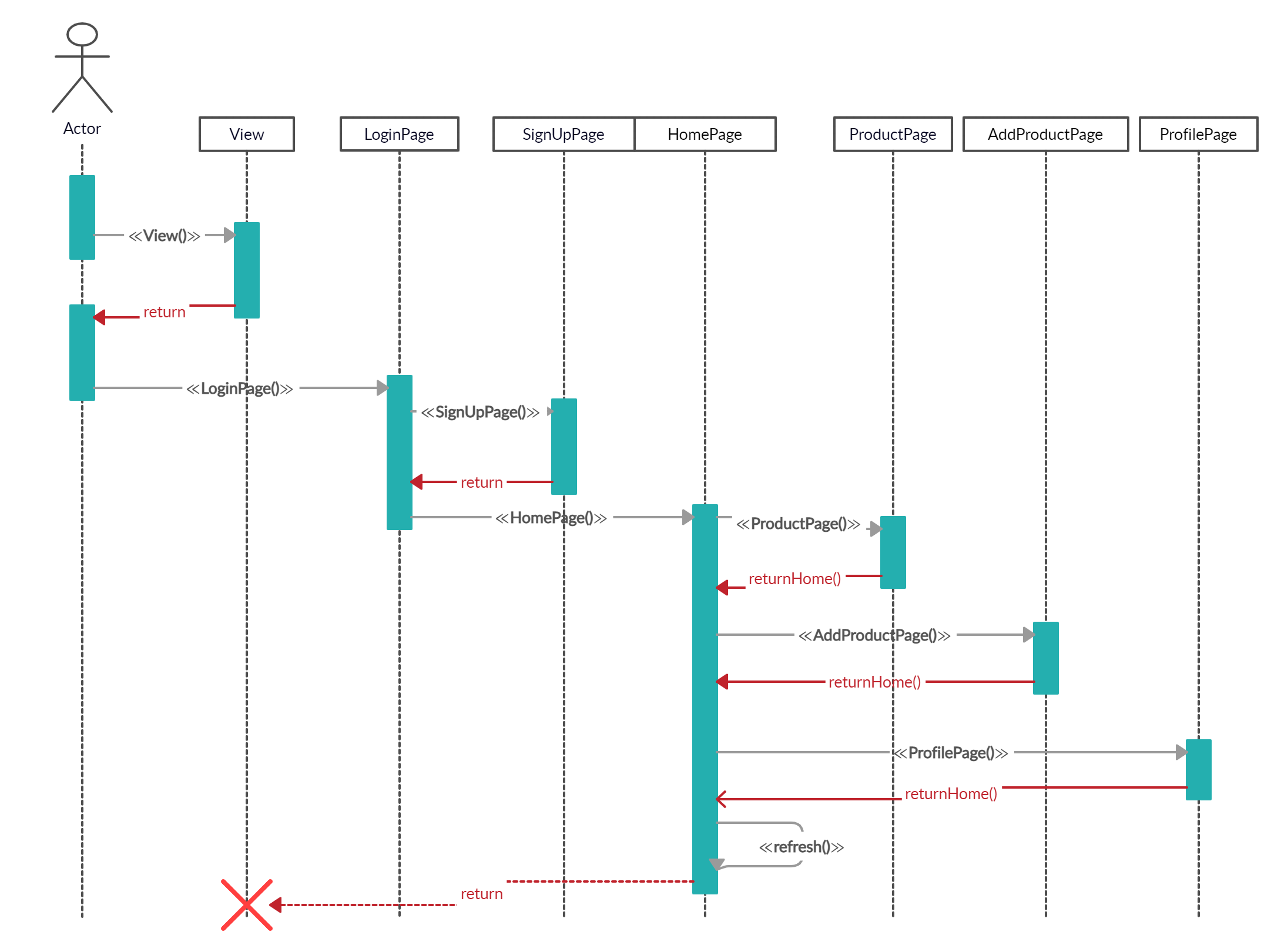
### Component interfaces

There no interfaces used in GUI Component.

### Component design description



### Workflows and algorithms



### Software requirements mapping

SRS-OzU-G-003

SRS-OzU-G-004

SRS-OzU-G-005

SRS-OzU-G-006

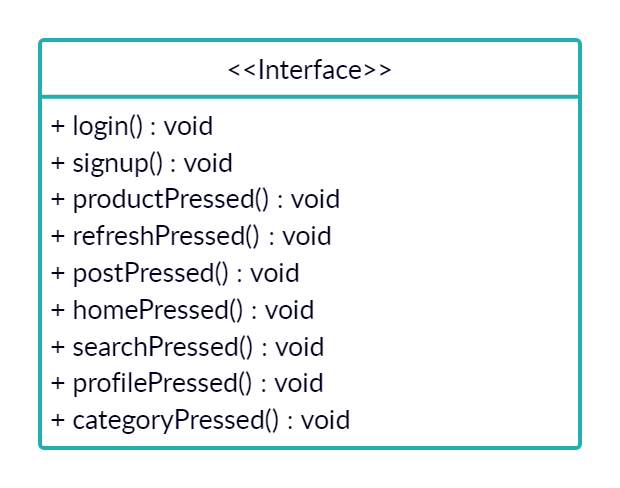
SRS-OzU-G-008

SRS-OzU-G-009

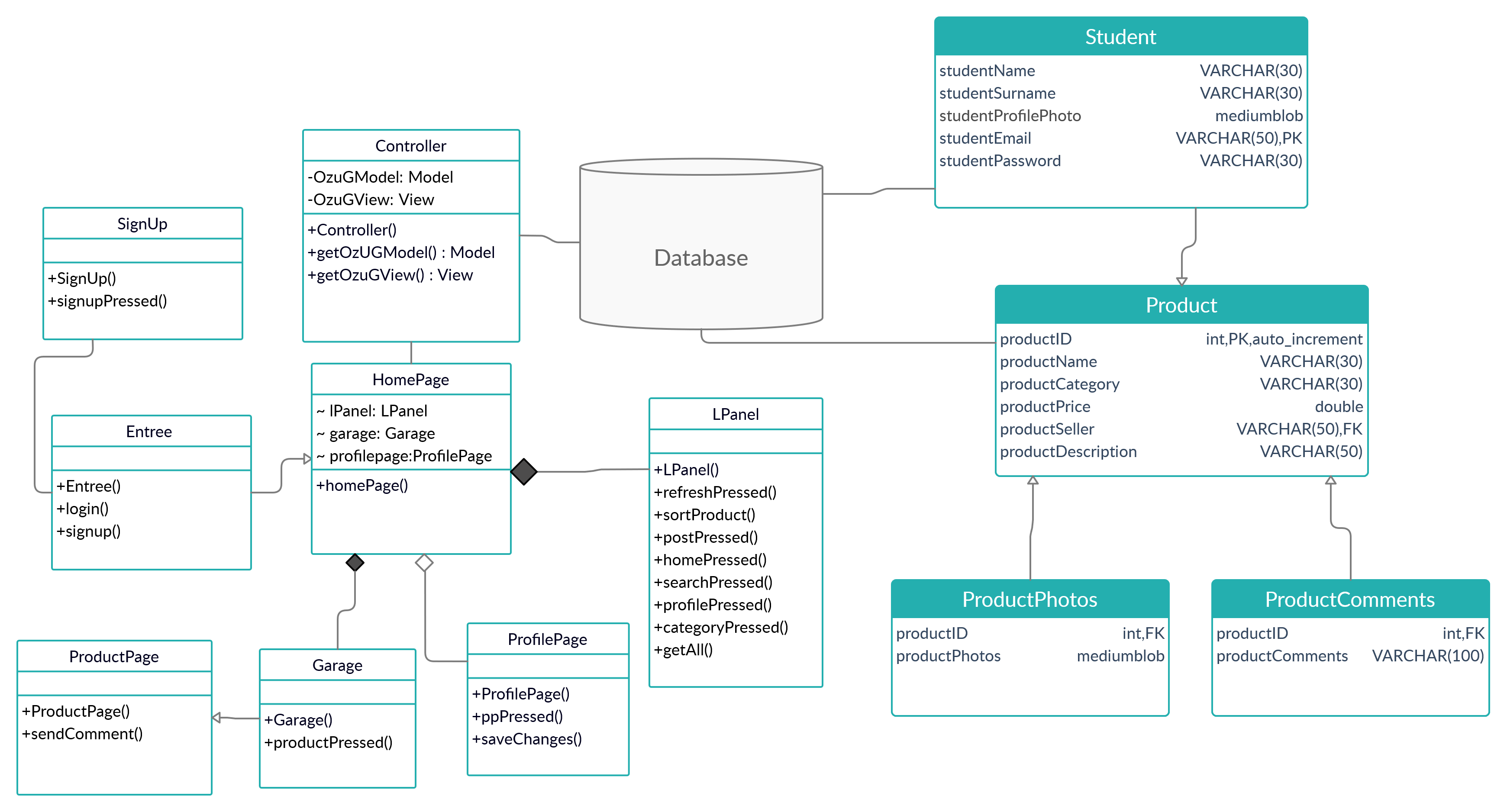
SRS-OzU-G-010

## Component 3

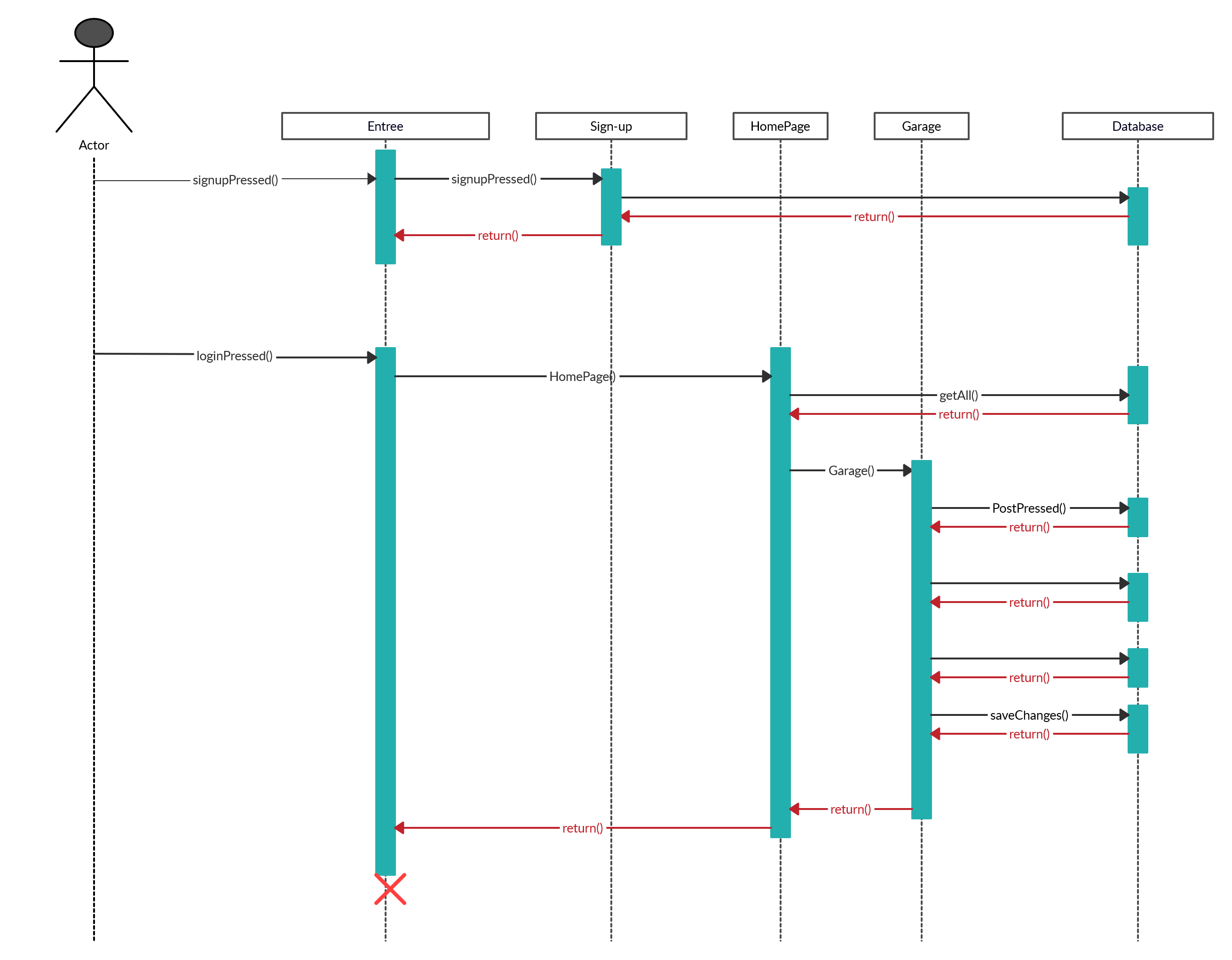
### Component interfaces



### Component design description



### Workflows and algorithms



### Software requirements mapping

SRS-OzU-G-001

SRS-OzU-G-002

SRS-OzU-G-003

SRS-OzU-G-007

SRS-OzU-G-010

# COTS Identification

Amazon Web Service will be used to maintain users’ and products’ data for the OzU-G. We use 12 months free trial option.