

## Deliverable 5 Software Engineering

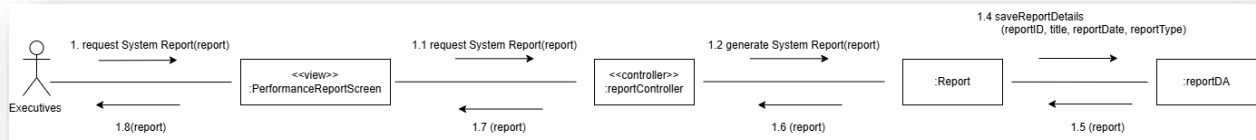
### Application Design

#### **I. Divide Use Cases**

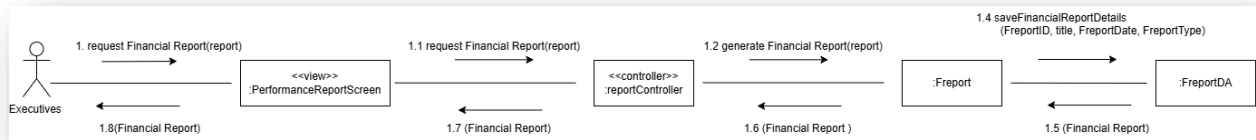
Simple	Moderate	Complex
Enroll in Course	Manage User Accounts	Create Course
Issue Certificate	Grade Assignment	Upload Course Materials
Grade Assignment	Provide Feedback	Automatically Grade Assignments
Search Courses	Generate Progress Report	Request Technical Support
View Available Courses	Resolve Technical Issues	Perform System Maintenance
Submit Assessment	Unlock Next Module	Update Course Catalog
Notify Learners of Scheduled Session	Submit Final Assignment	Respond to User Inquiries
Notify Learners of Grades	Review System Performance	
	Review Financial Performance	

## II. Communication Diagrams

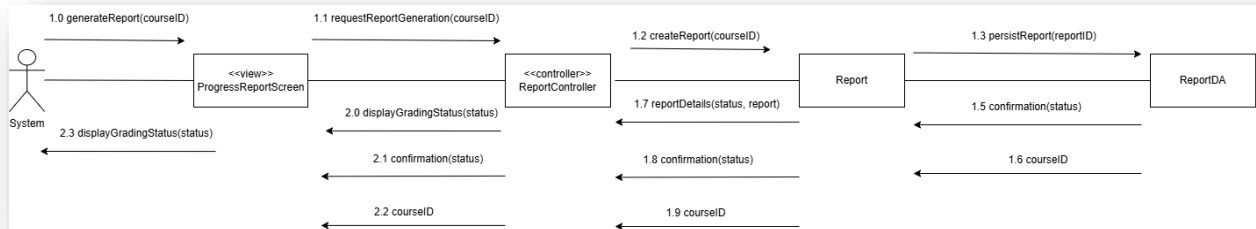
### 1) Review System Performance



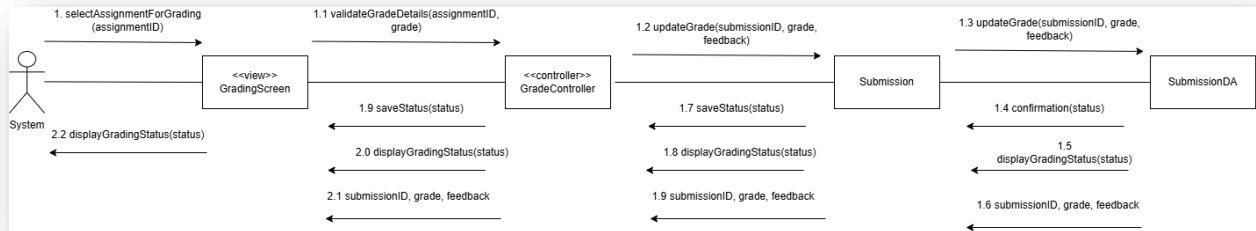
### 2) Review Financial Performance



### 3) Generate Progress Report



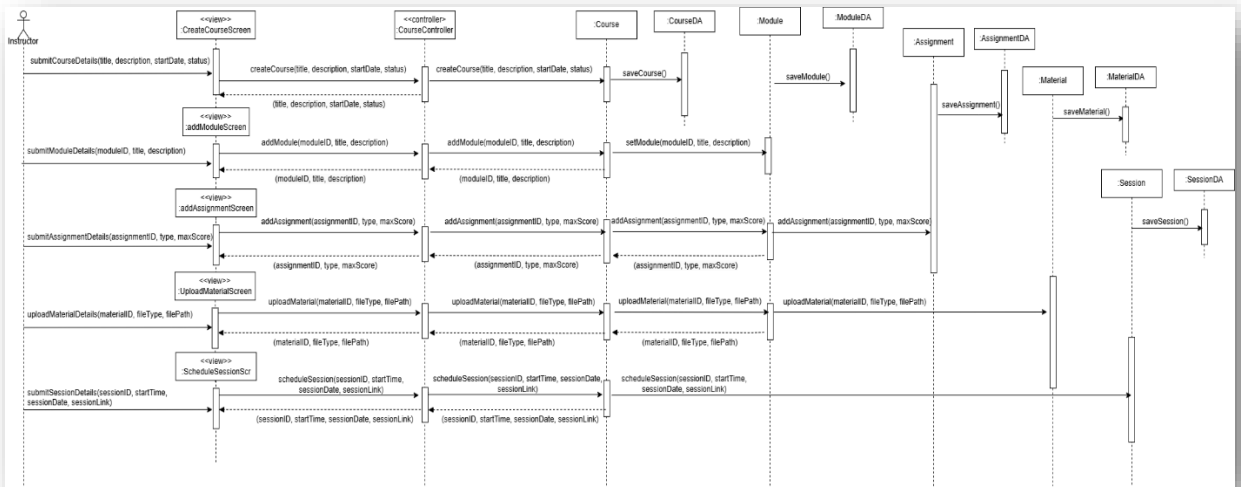
### 4) Grade Assignment



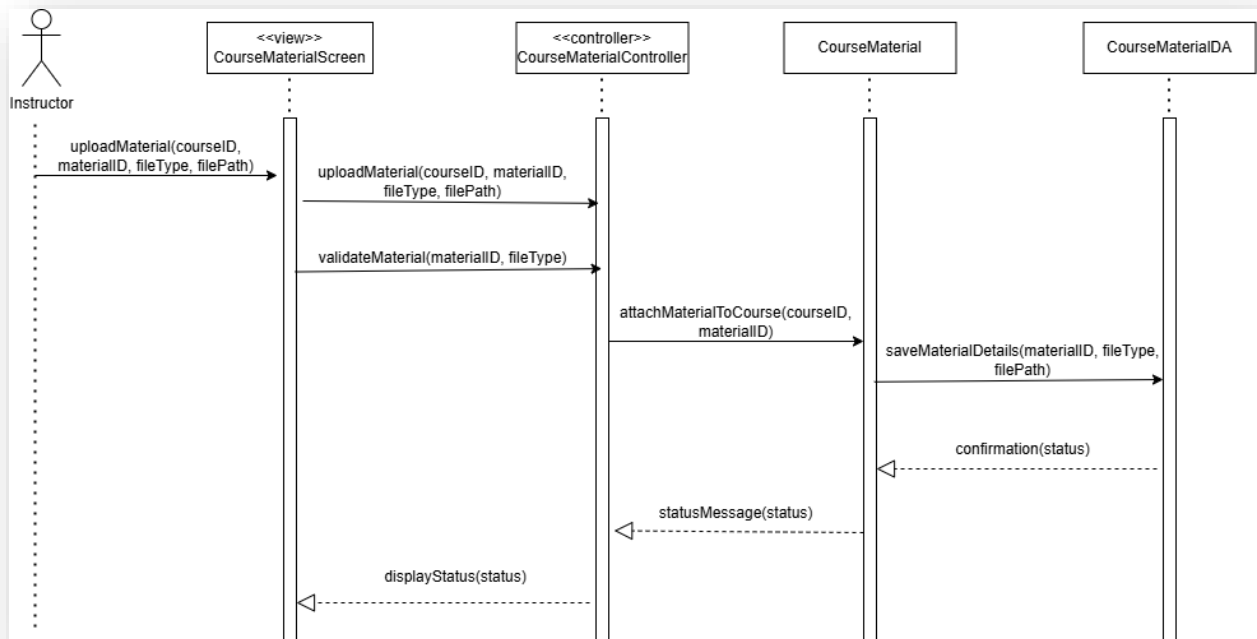
## 9) Provide feedback

### III. Sequence Diagrams

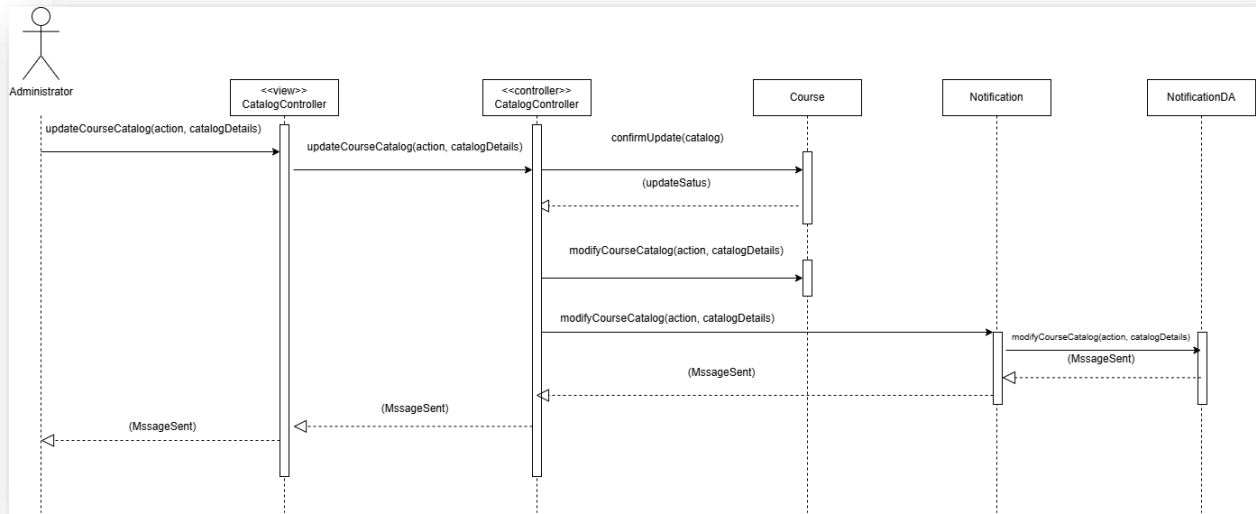
#### 1) Create Course



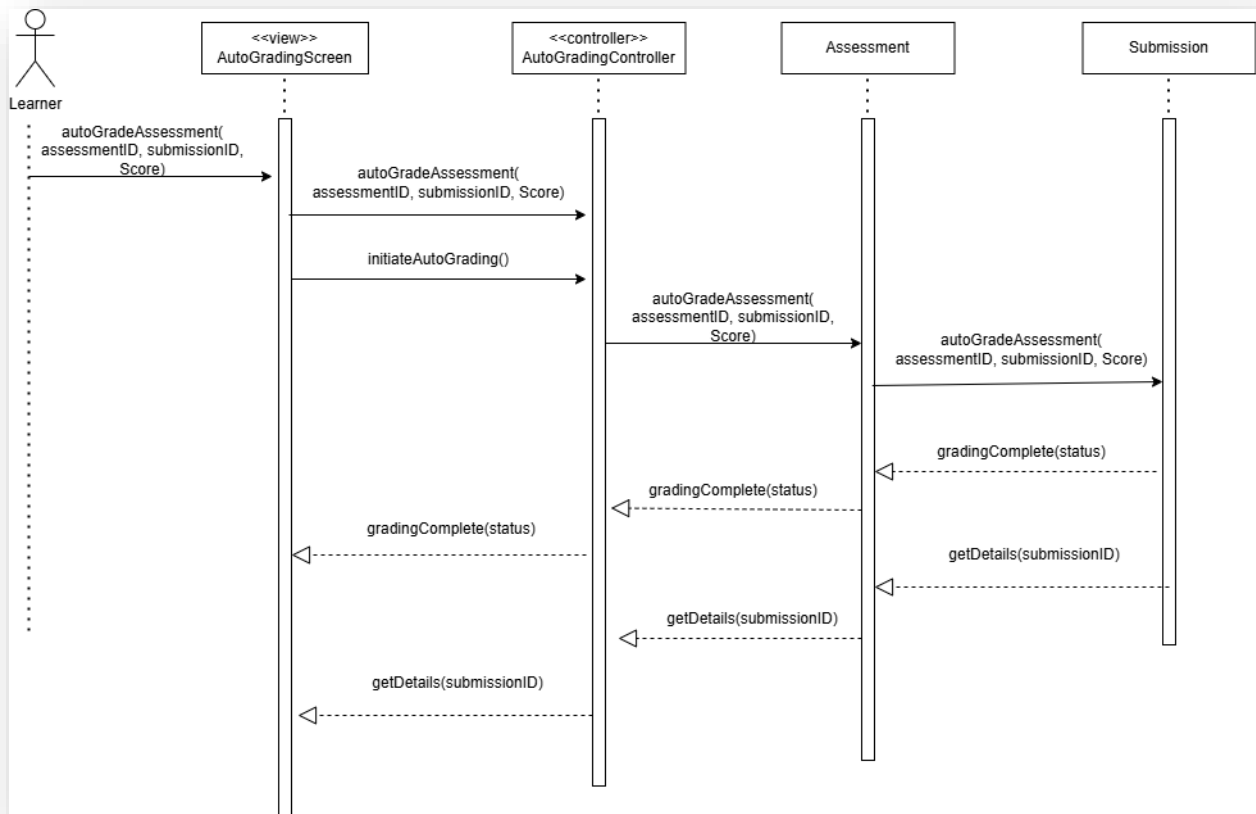
#### 2) Upload Course Materials



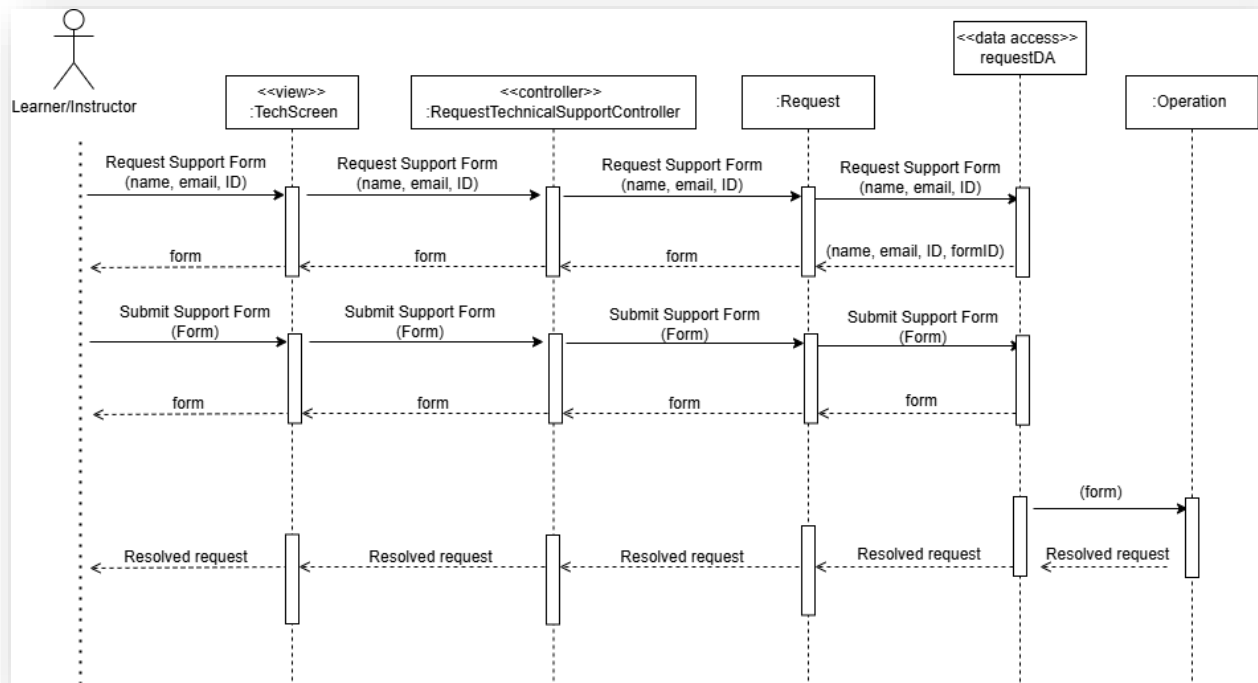
### 3) Update Course Catalog



### 4) Automatically Grade Assignment

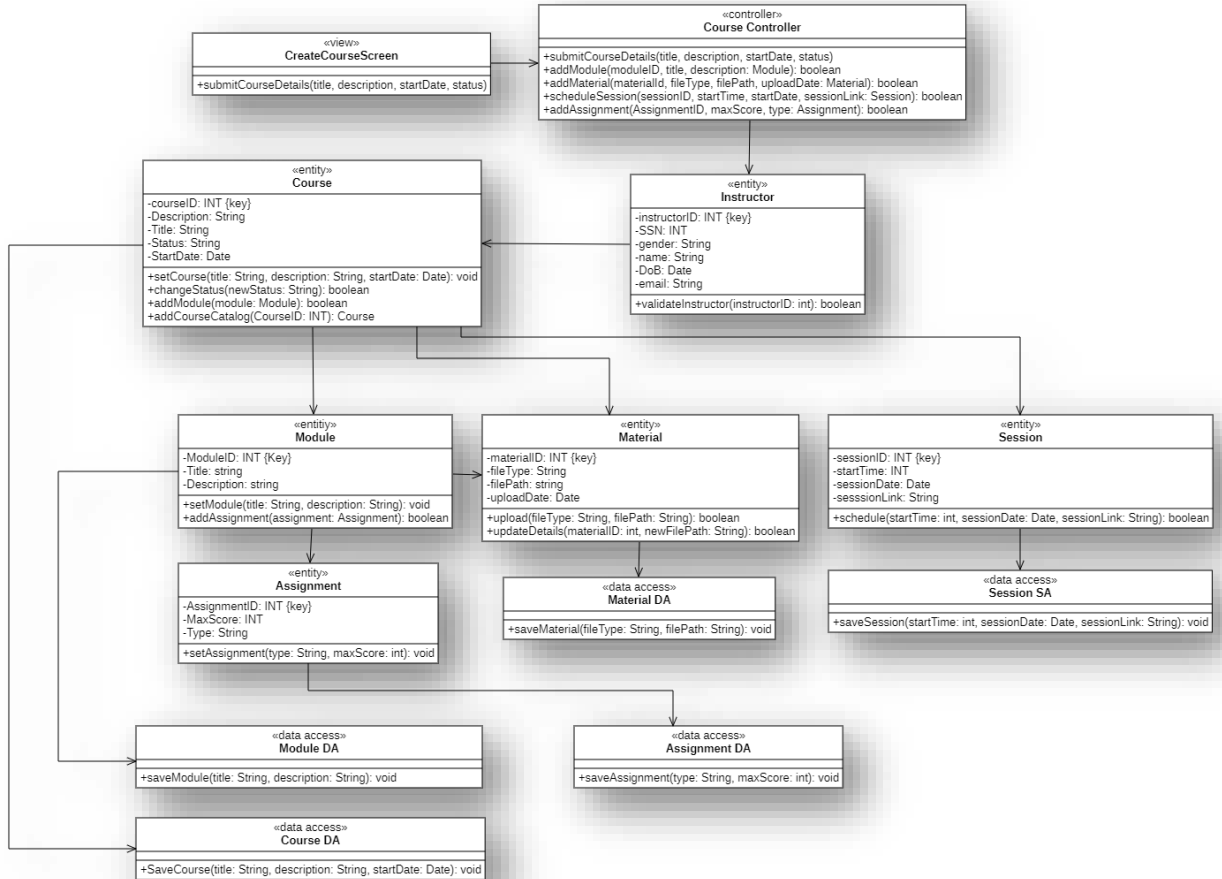


## 5) Request Technical Support

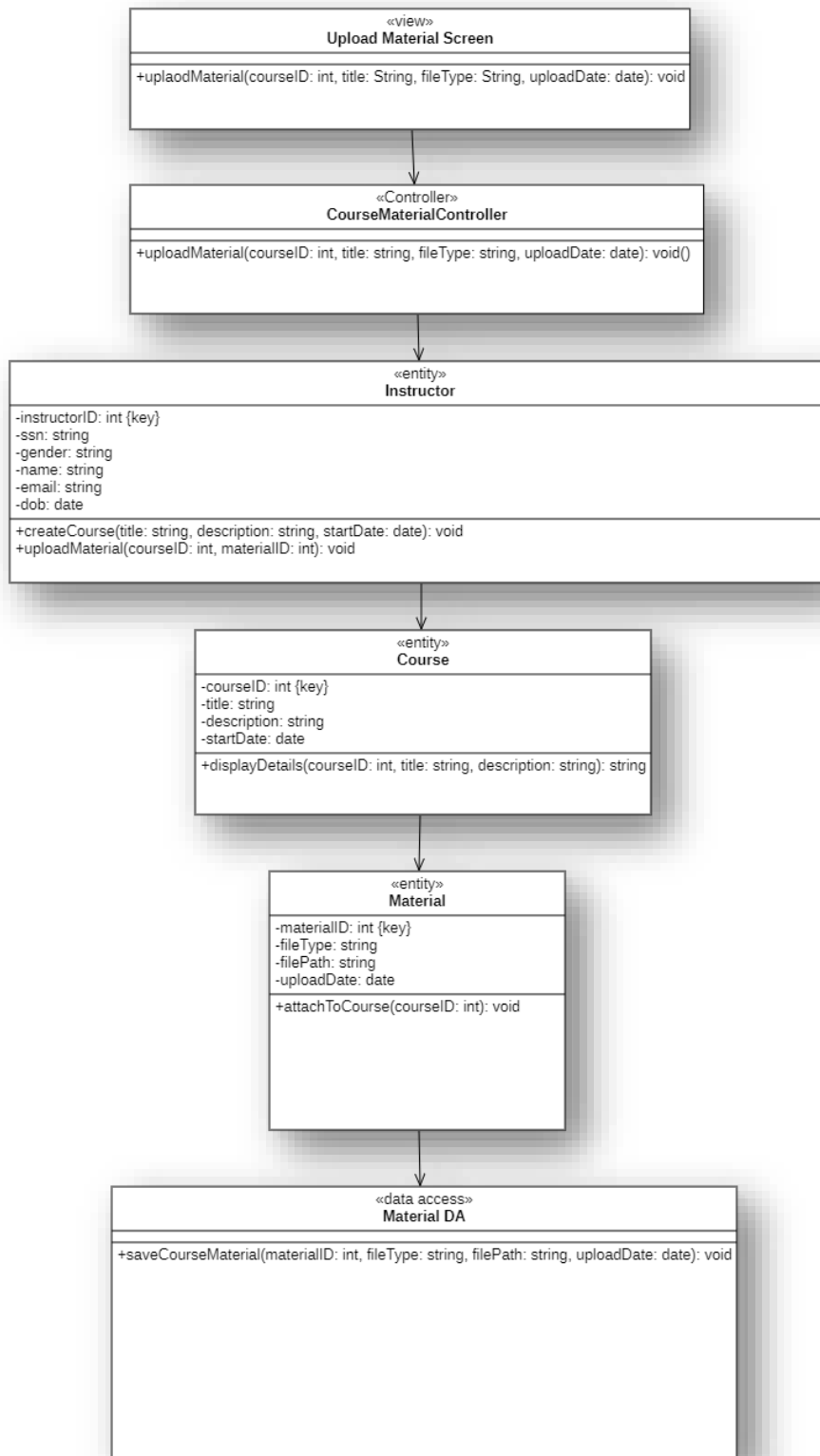


## IV. Final Design Class Diagrams

### 1) Create Course

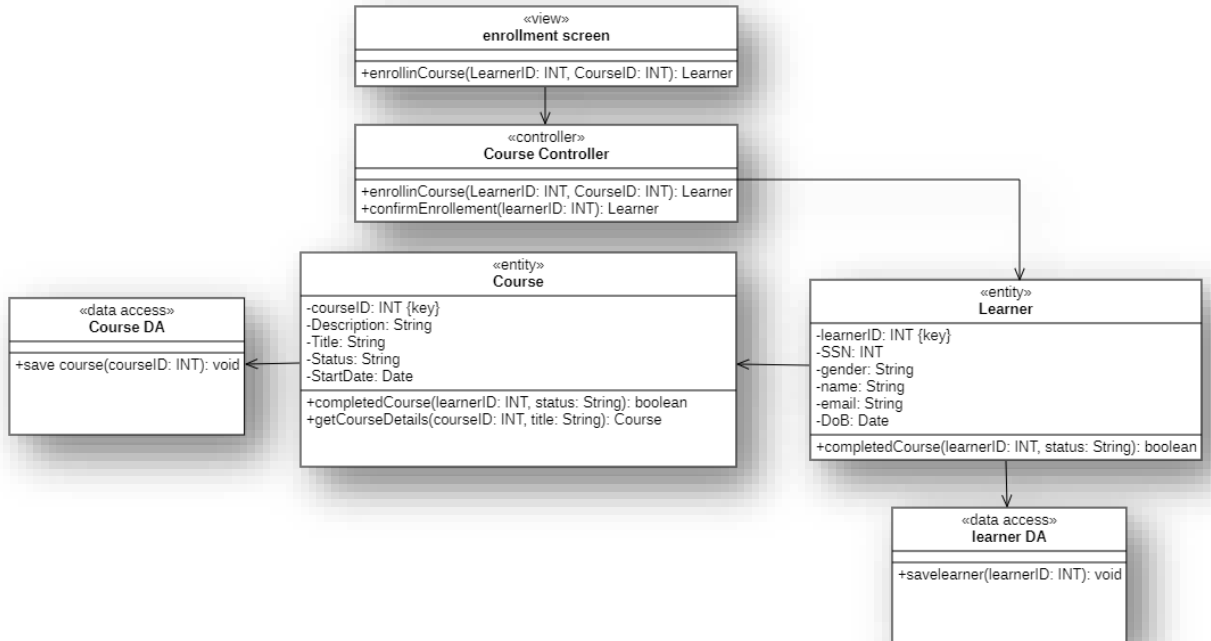


## 2) Upload Course Materials

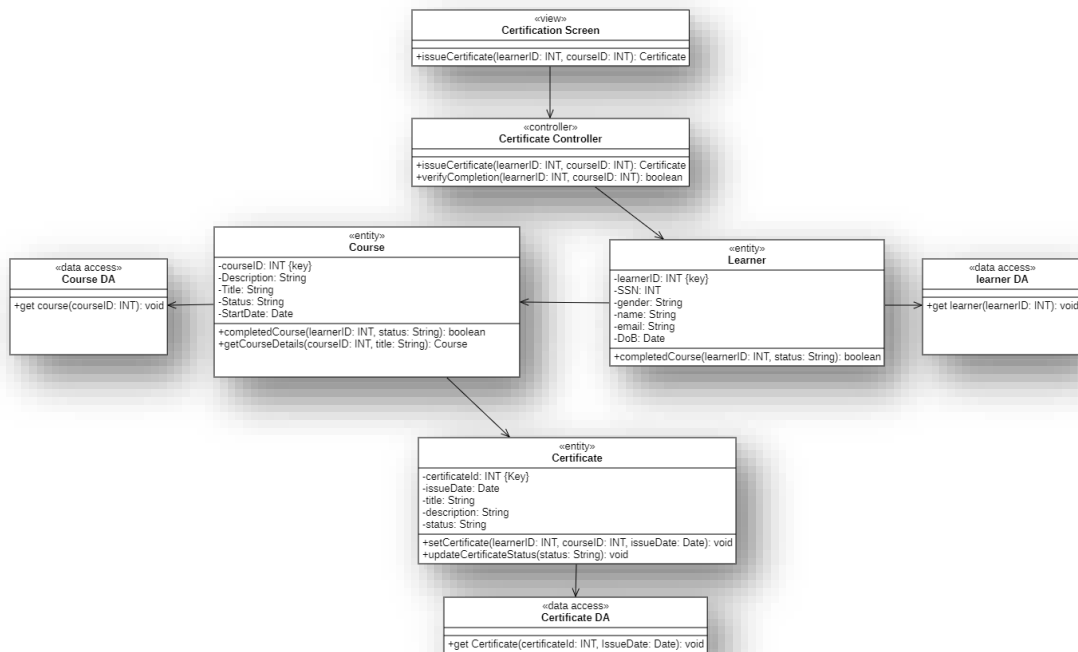




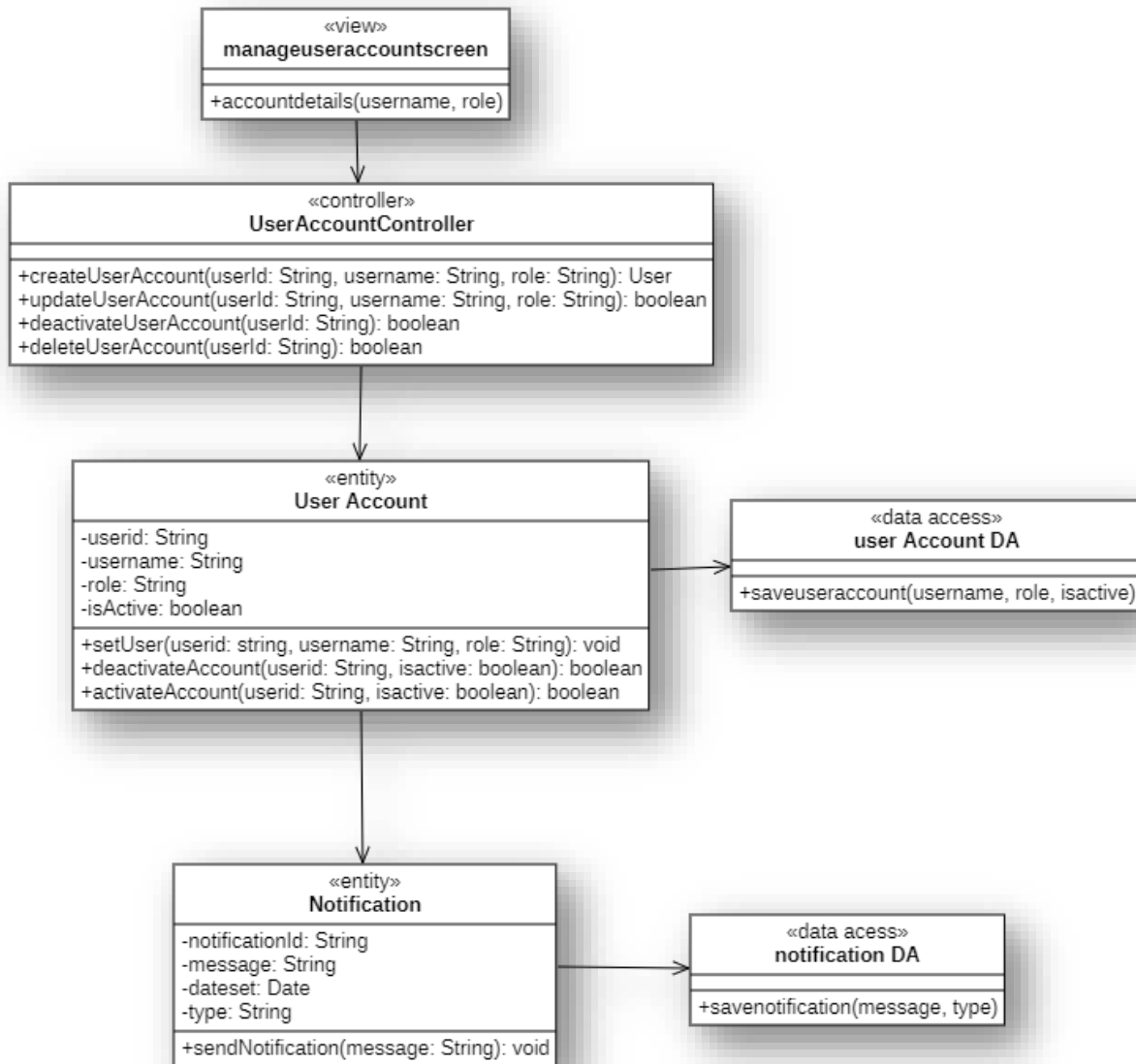
### 3) Enroll in Course



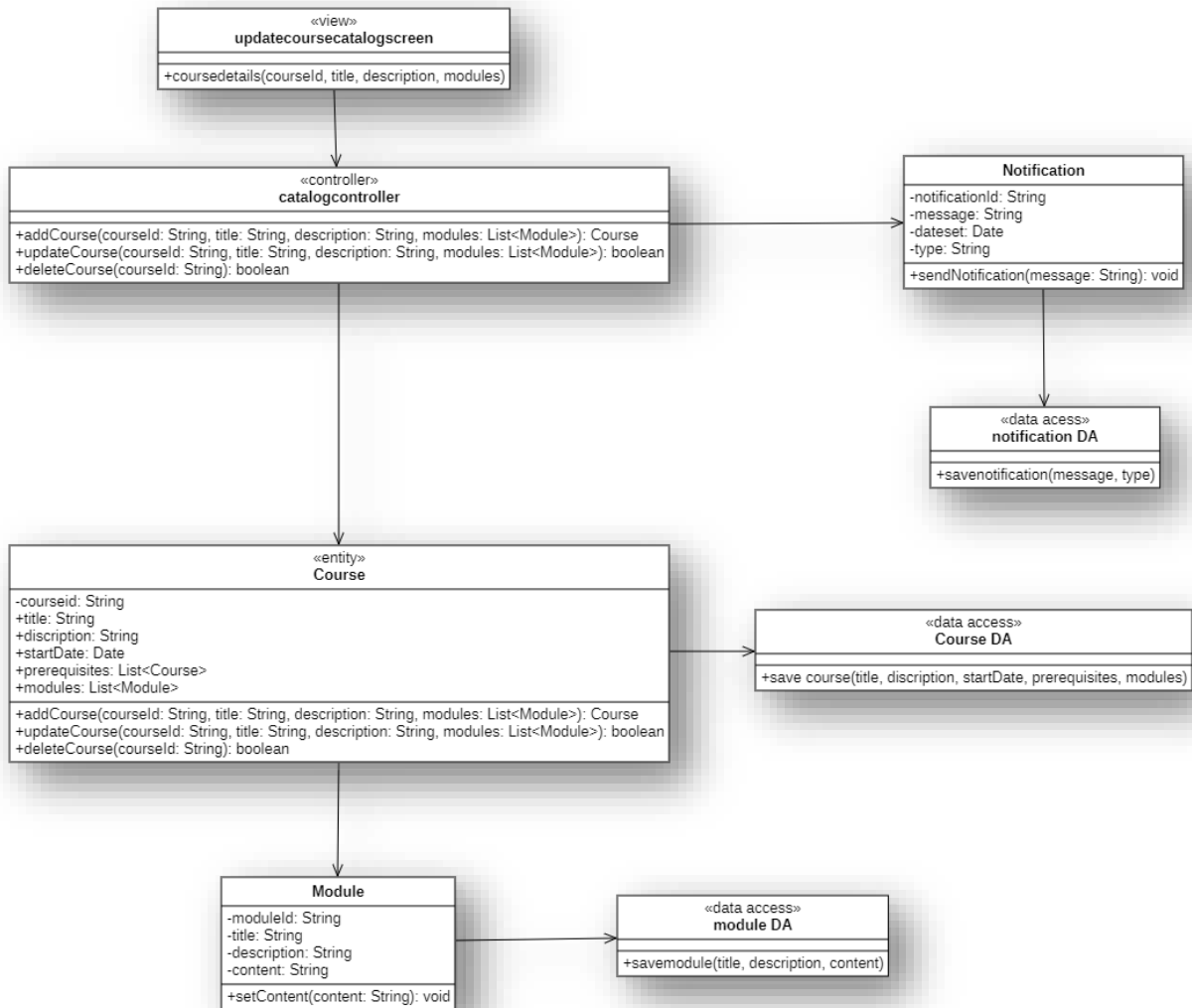
### 4) Issue Certificate



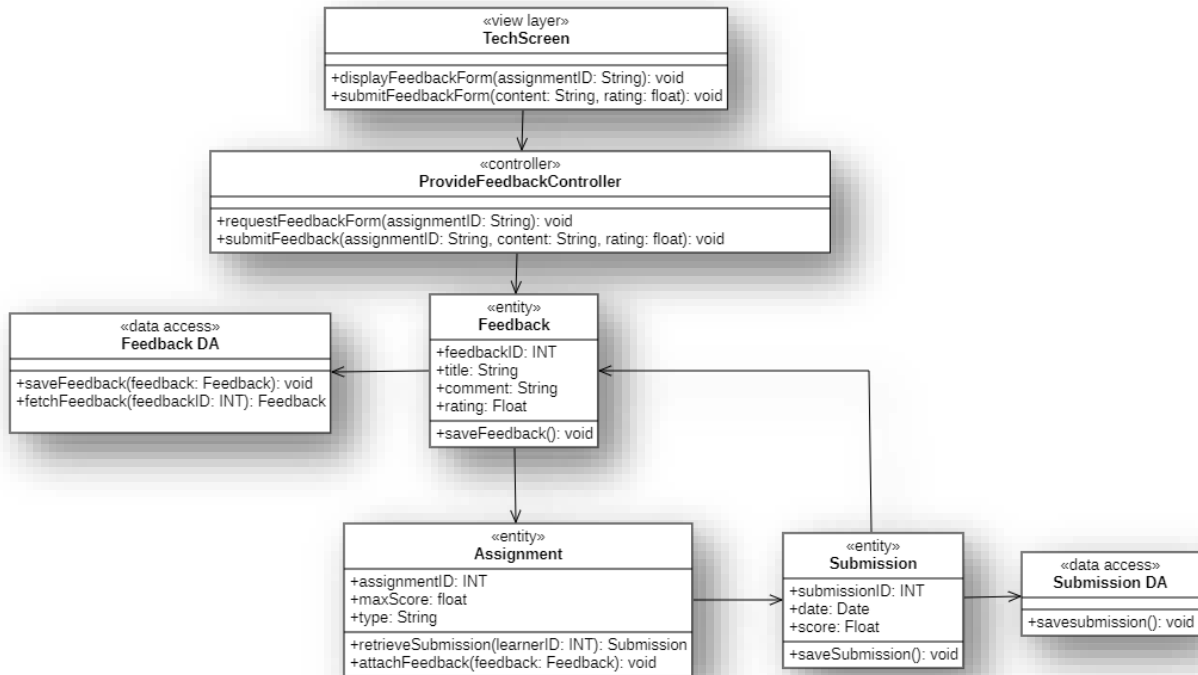
## 5) Manage User Accounts



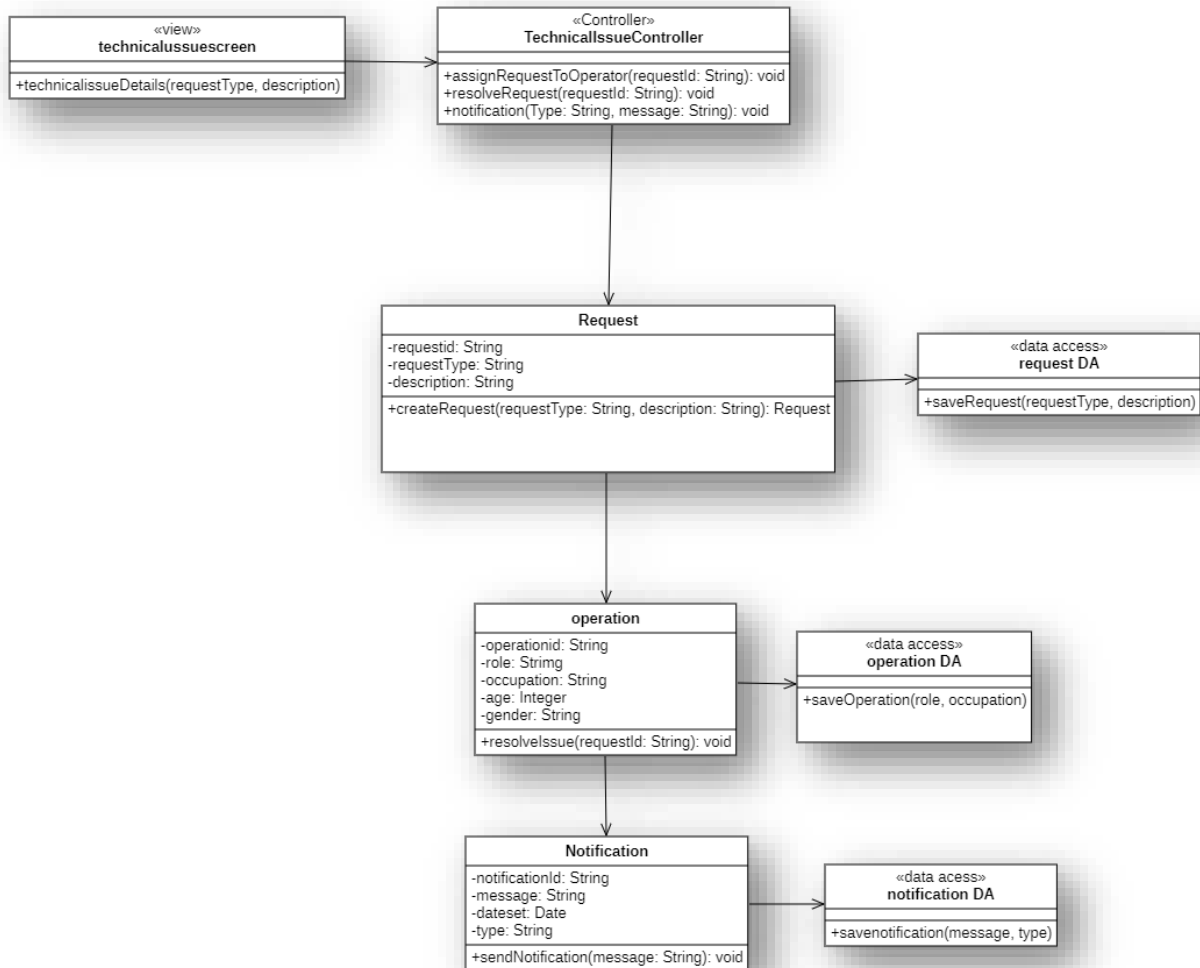
## 6) Update Course Catalog



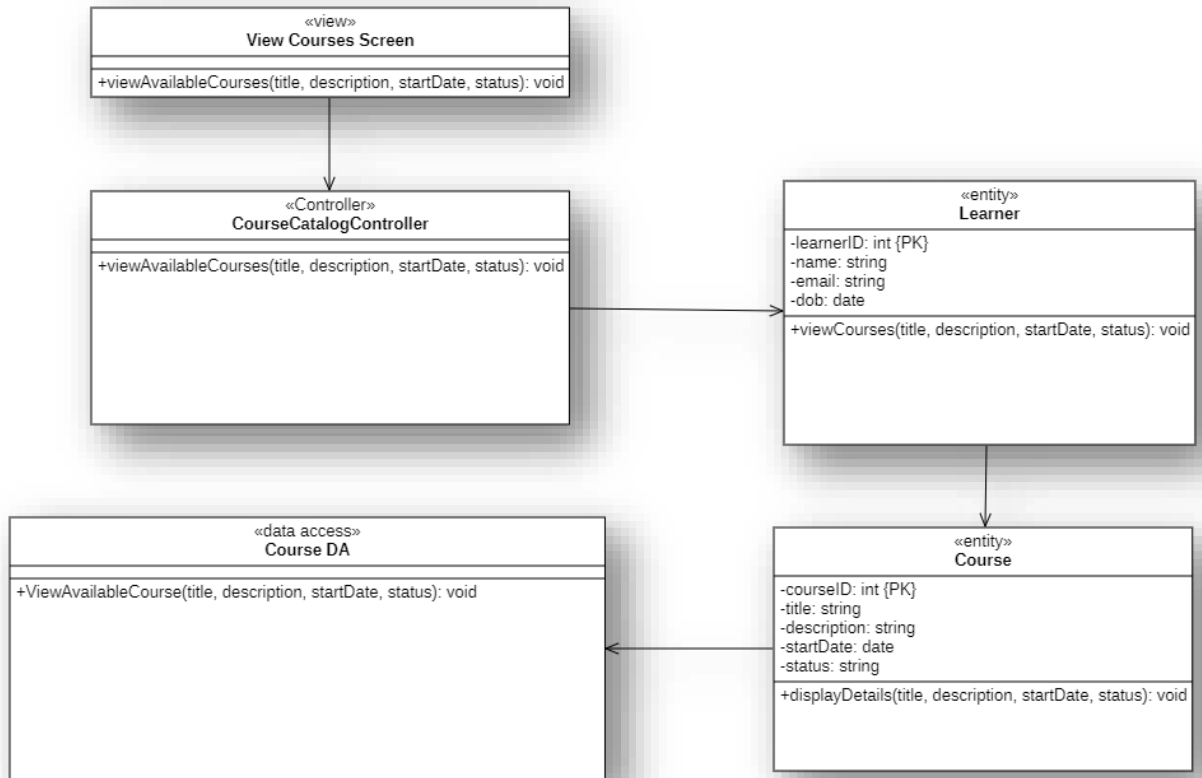
## 7) Provide Feedback



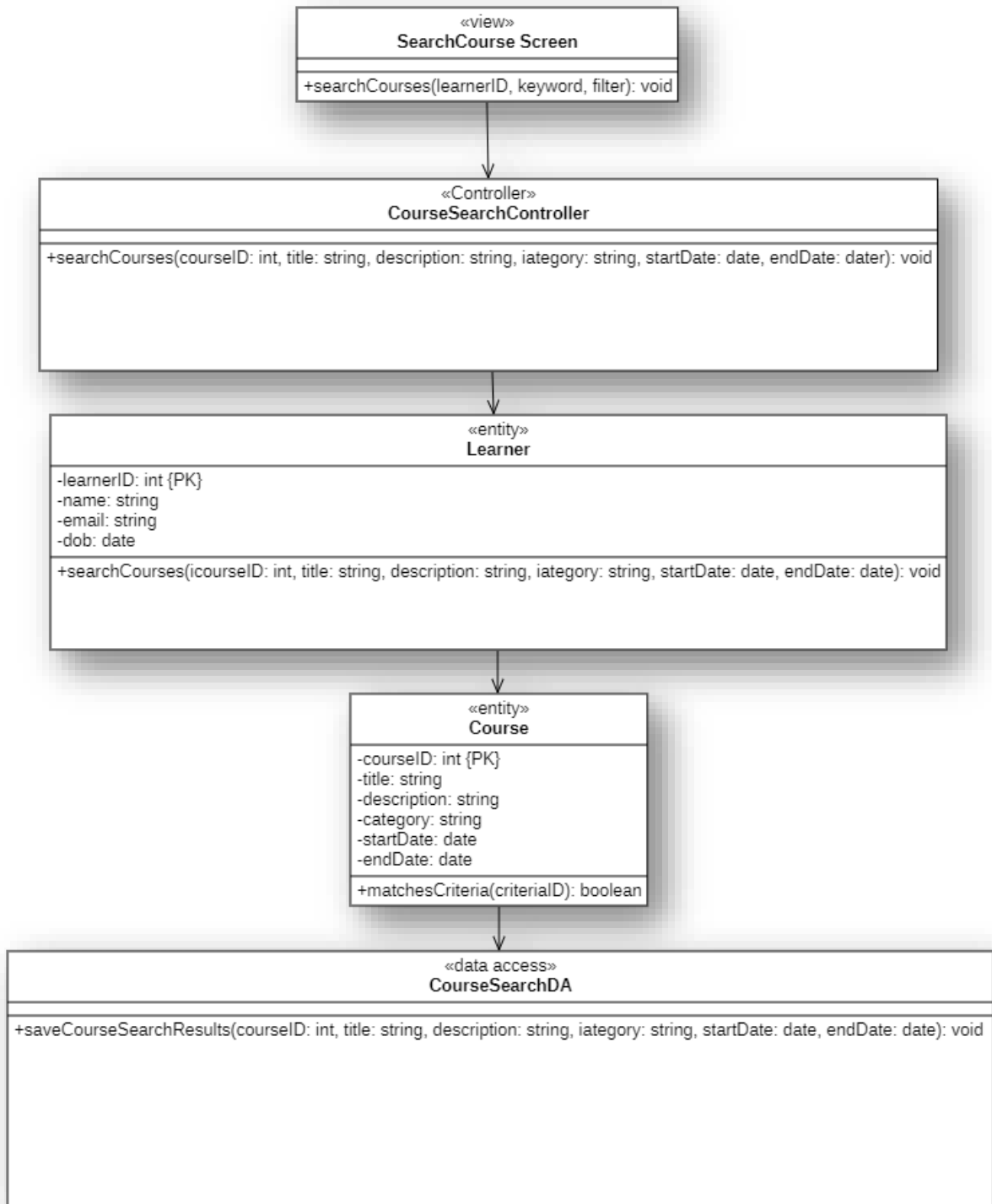
## 8) Resolve Technical Issues



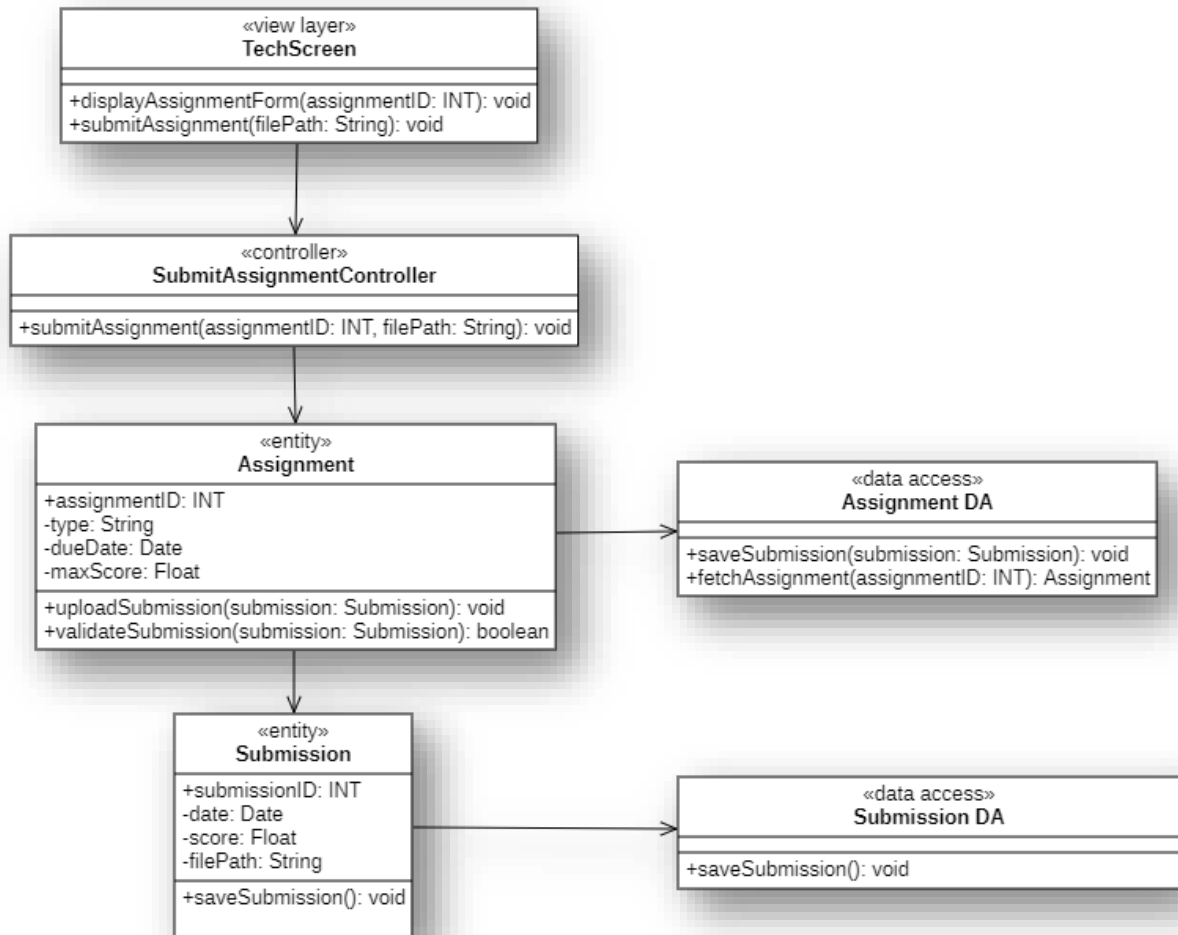
## 9) View Available Courses



## 10) Search Courses

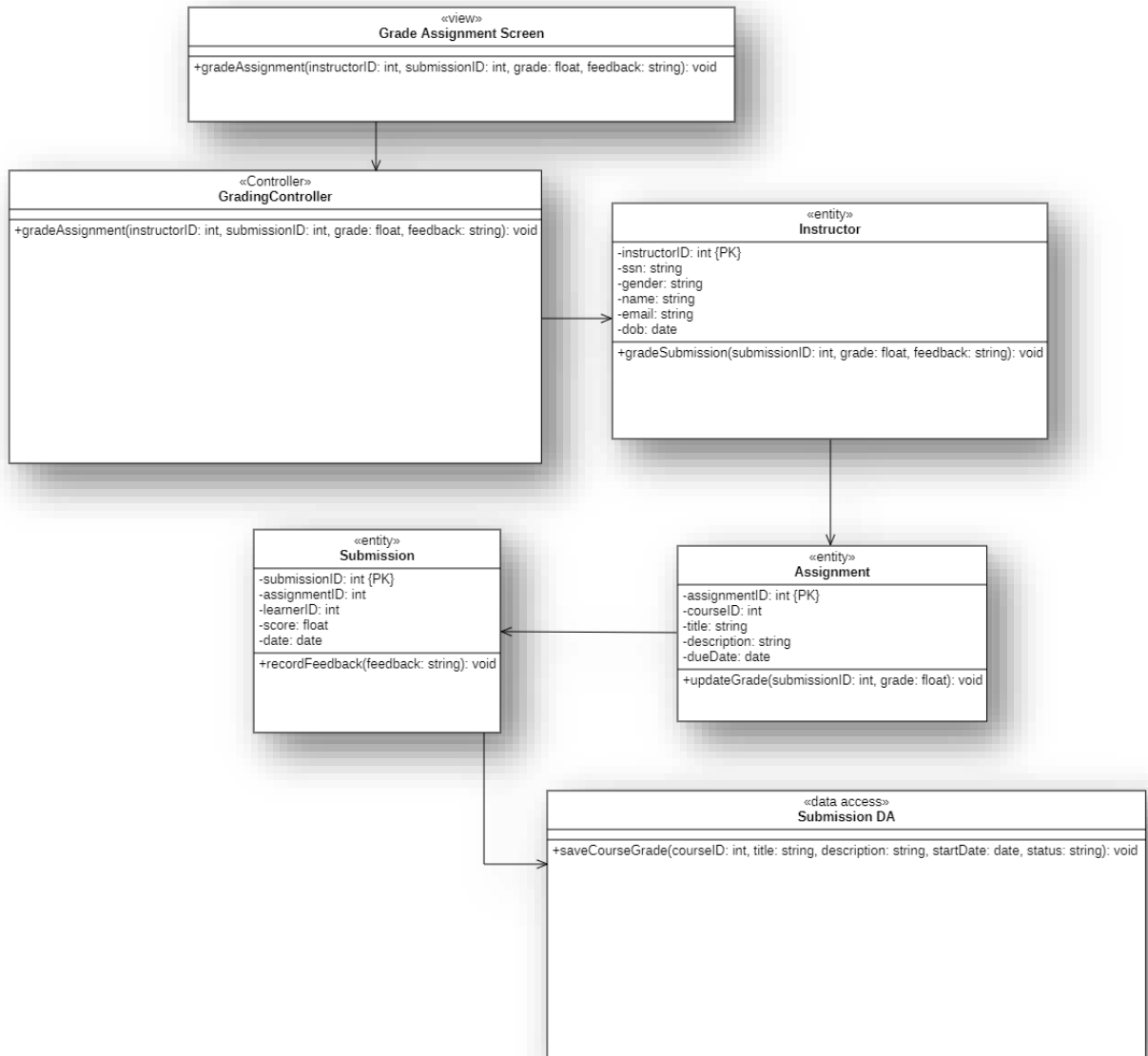


## 11) Submit Final Assignment

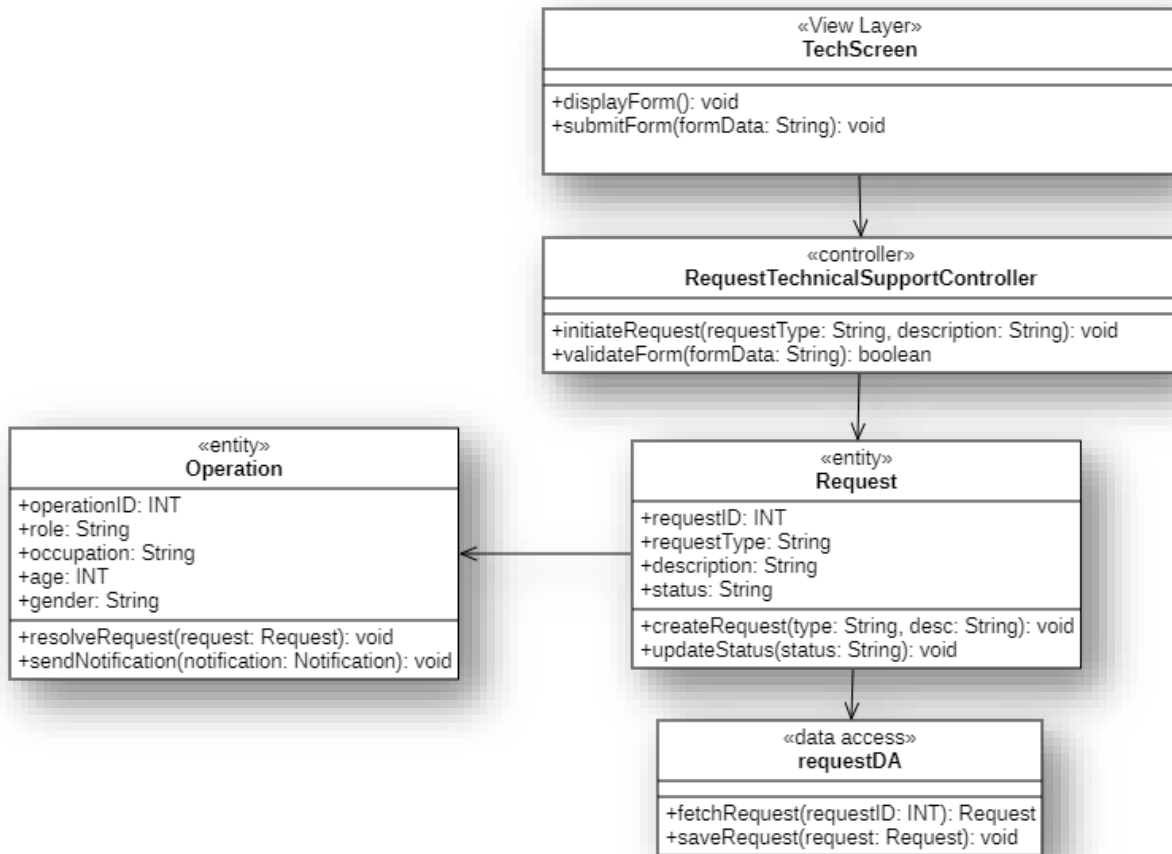




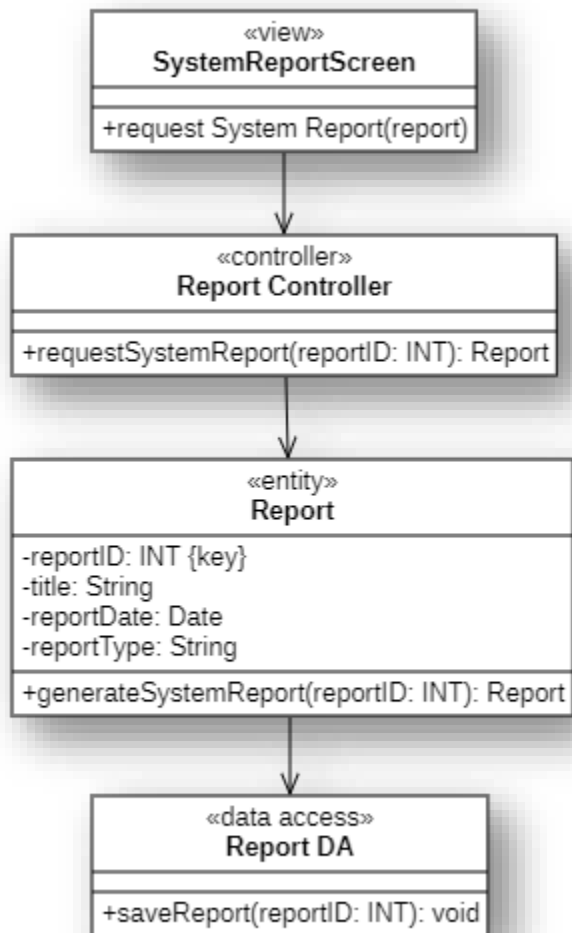
## 12) Grade Assignment



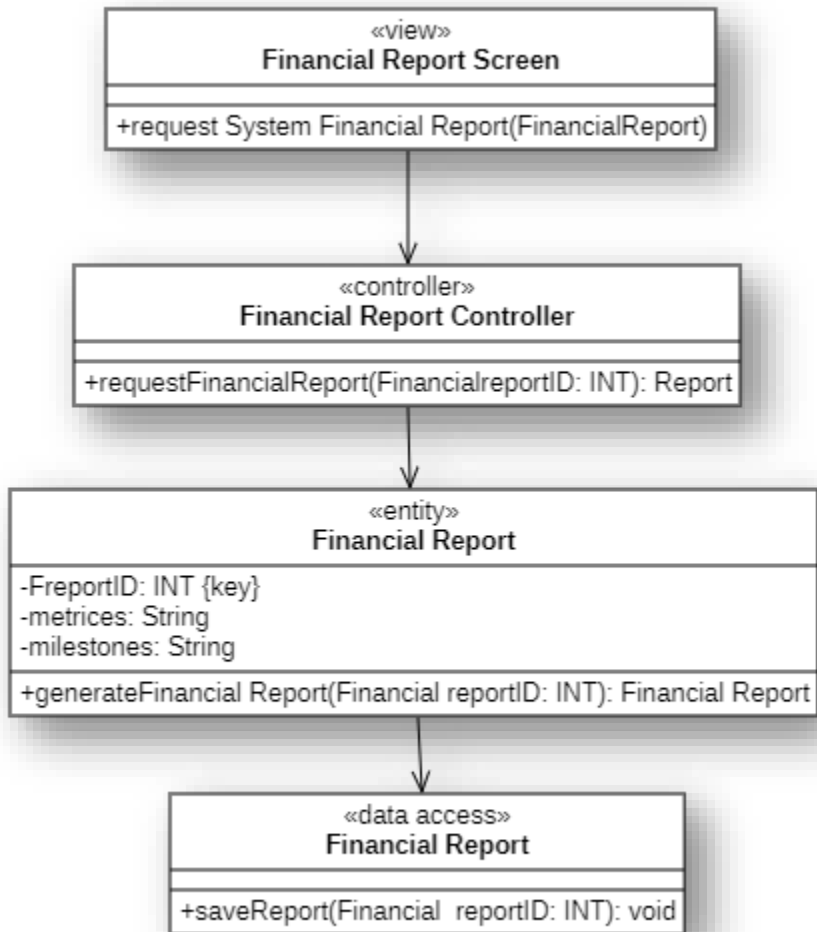
### 13) Request Technical Support



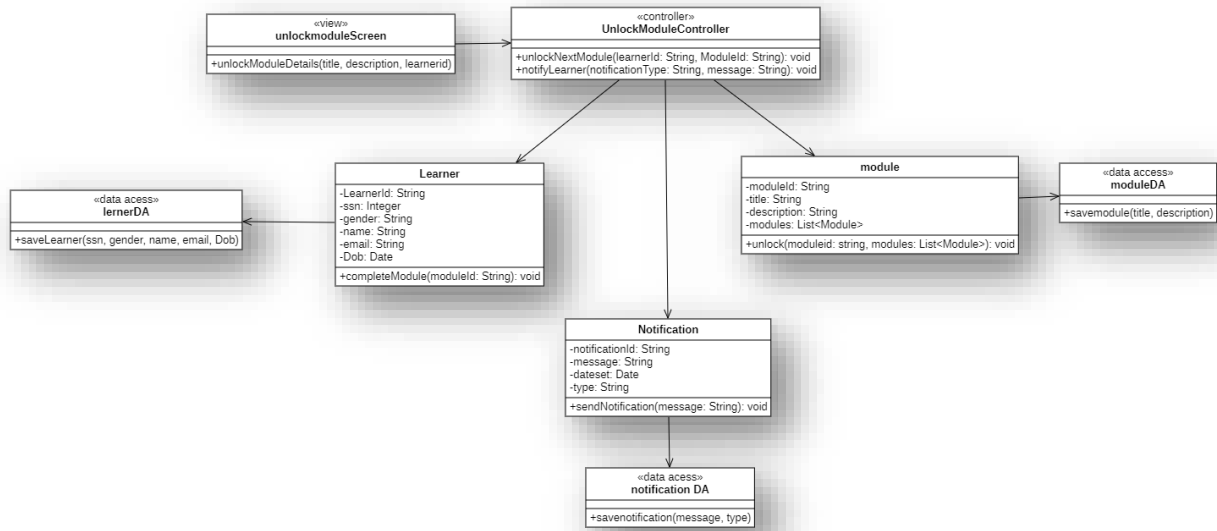
#### 14) View System Performance



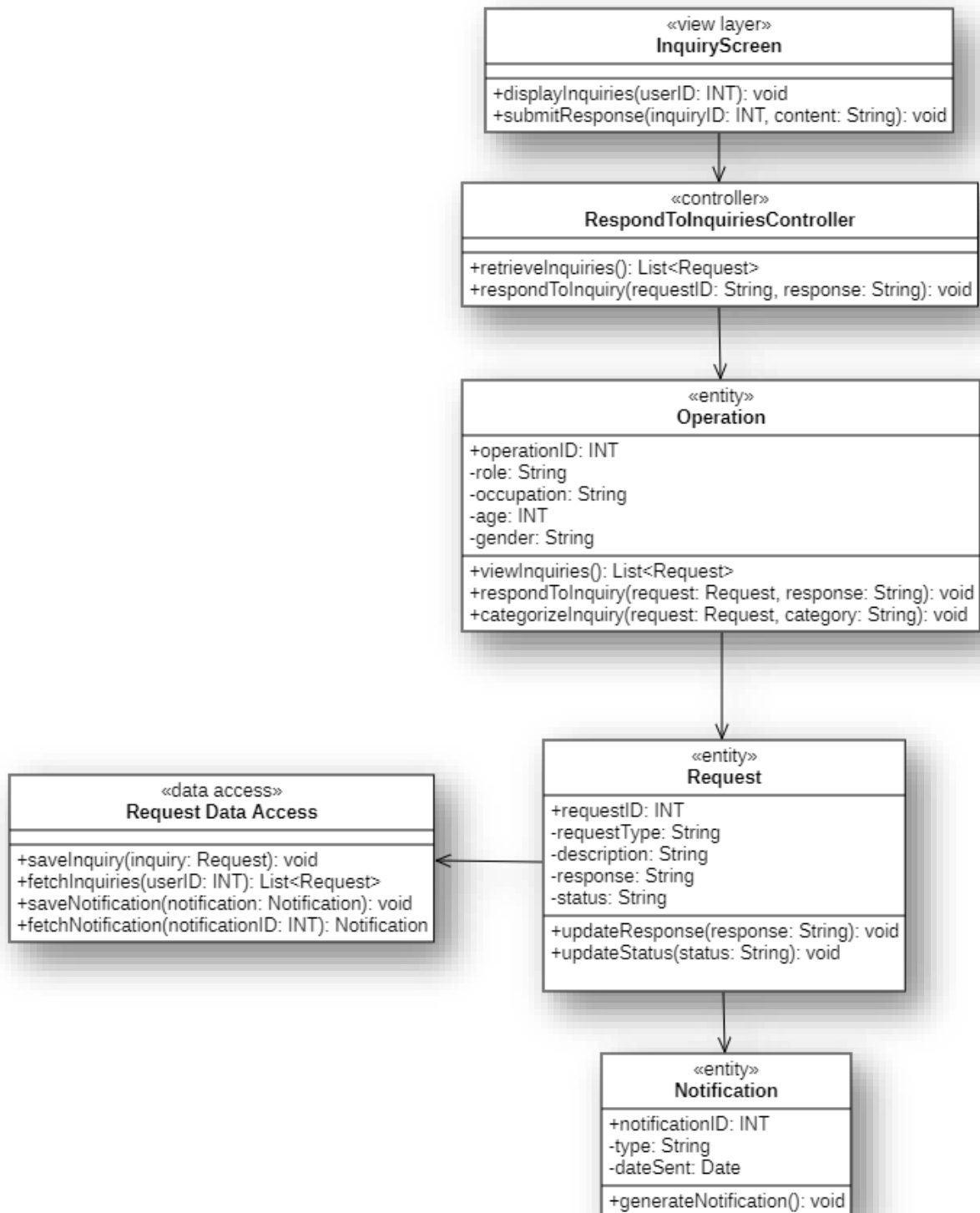
## 15) Review Financial Performance



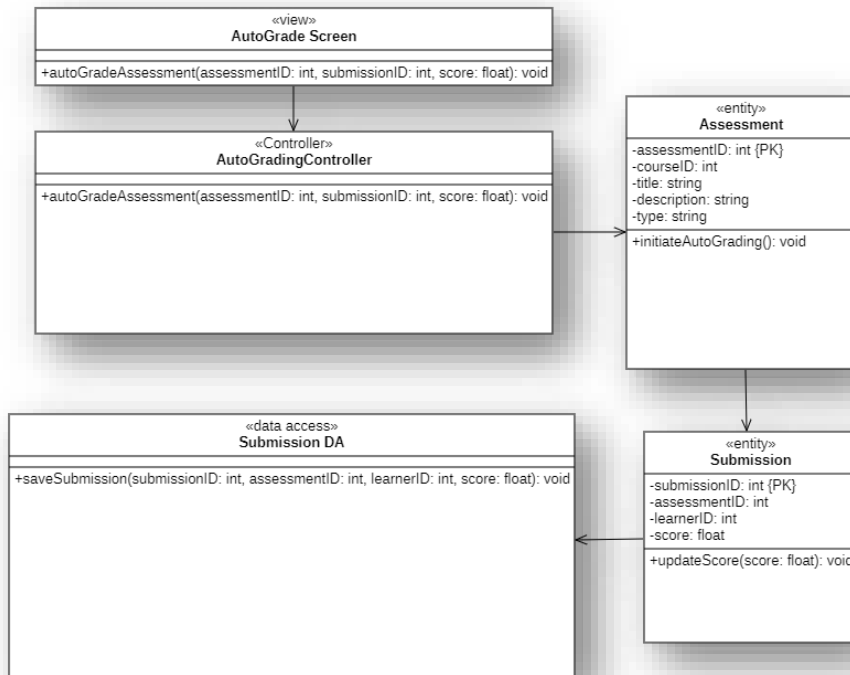
## 16) Unlock Next Module



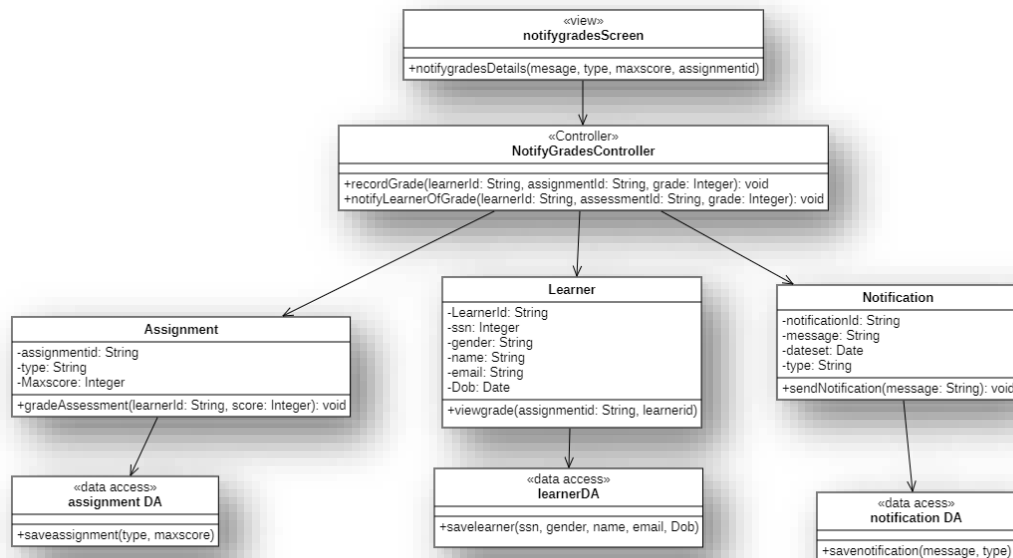
## 17) Respond to User Inquiries



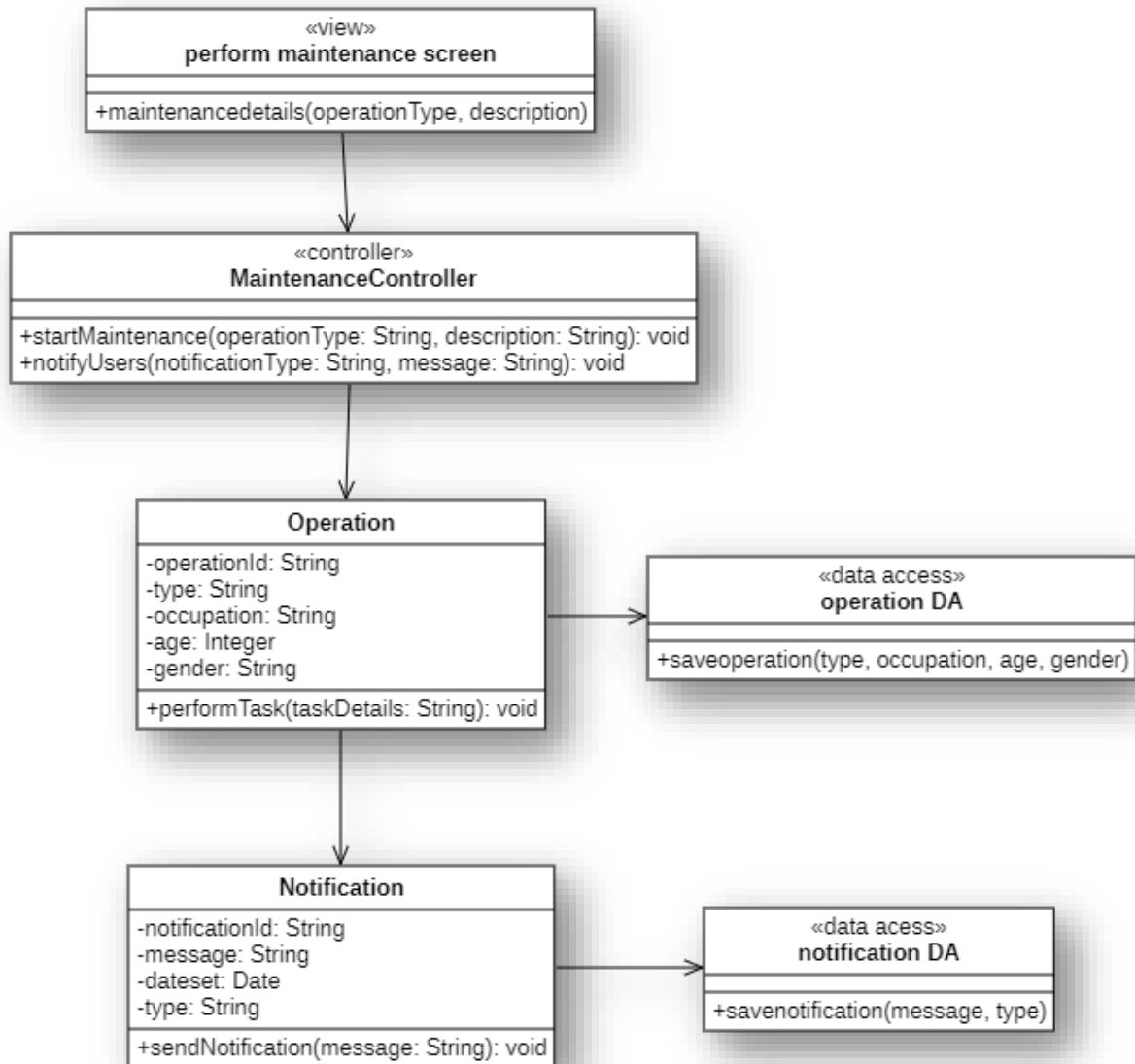
## 18) Automatically Grade Assignment



## 19) Notify Learners of Grades



## 20) Perform System Maintenance





## V. Package Diagrams

