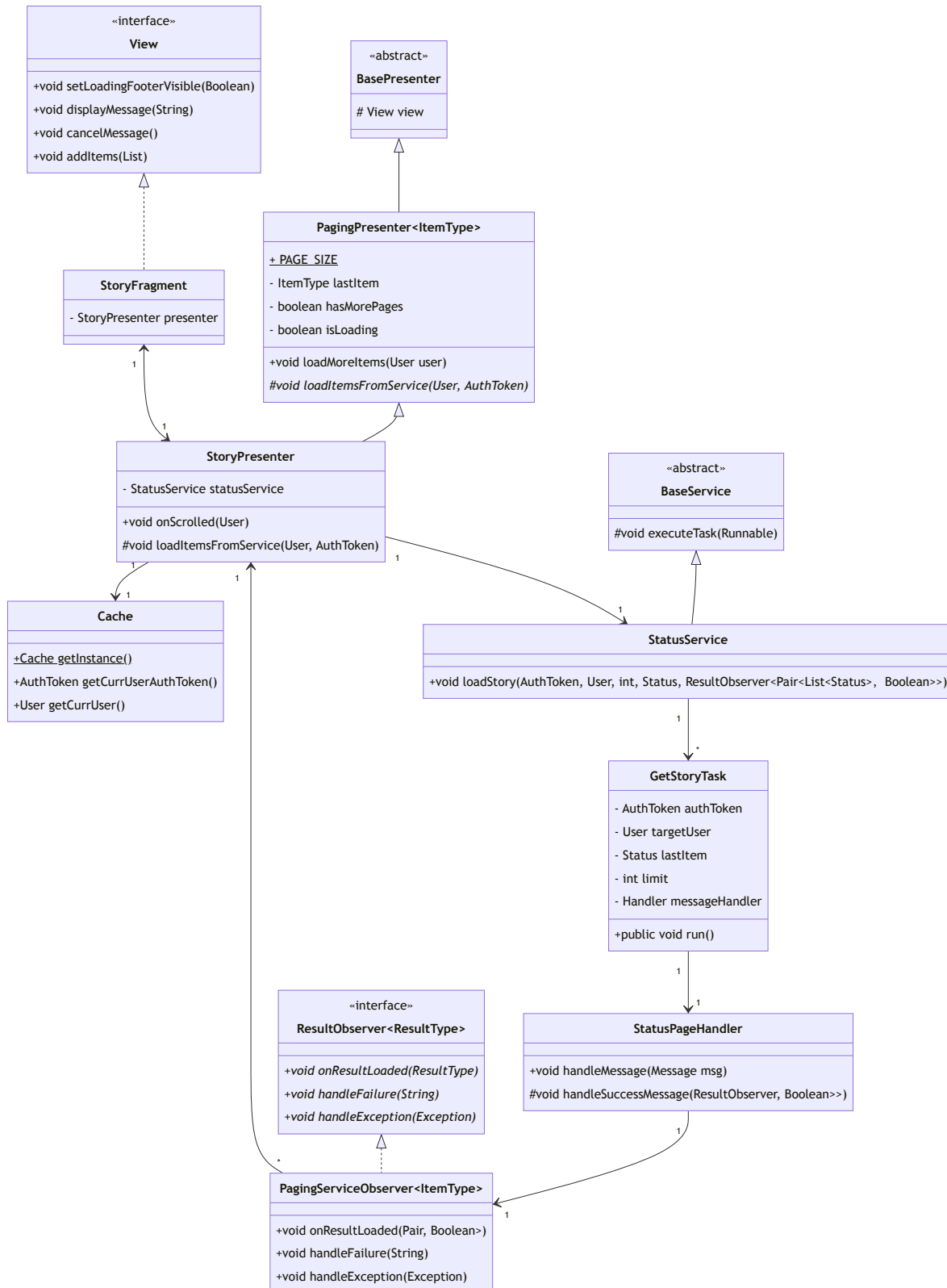
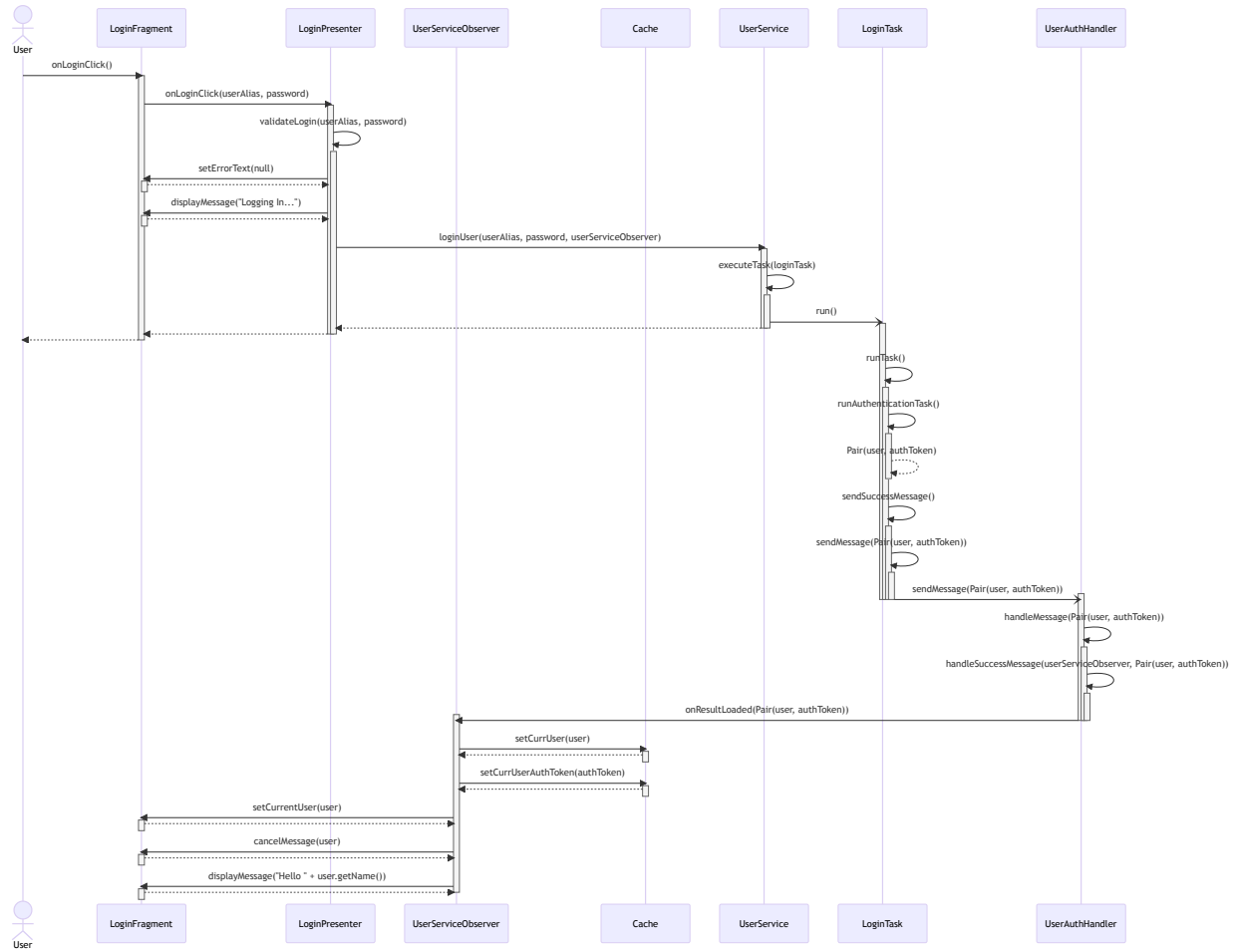


UML Diagram

Class Diagram



Sequence Diagram



Questions

Pick one place where you used the observer pattern. Which class was the subject?

`UserService`

Which class was the observer?

`NavigateToUserObserver`

Which layer did the subject belong to... (Model, View, or Presenter layer)

The "Model" layer

...and which layer did the observer belong to? (Model, View, or Presenter layer)

The "Presenter" layer

Pick one place where you used generics. What class was it in?

`ResultHandler<ResultType, ObserverType extends ... >`

What classes can the generic type T be?

`ResultType` is whatever the `ResultHandler` returns; the `ObserverType` is a `ResultObserver<ResultType>`

Pick one place where you used the template method pattern. Show the template method.

```
protected void executeTask(Runnable task) {  
    ExecutorService executor = Executors.newSingleThreadExecutor();  
    executor.execute(task);  
}
```

What class is it in?

BaseService

Show the step of the algorithm that is deferred to the class's subclass.

```
public void loginUser(  
    String userAlias,  
    String password,  
    ResultObserver<Pair<User, AuthToken>> observer  
) {  
    LoginTask loginTask = new LoginTask(  
        userAlias,  
        password,  
        new UserAuthHandler(observer)  
    );  
    executeTask(loginTask);  
}
```

What class is it in?

UserService