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examsystem

Goal

Get a mark of ~75 for the Subject by creating a great Exam system

Core team

Robert Sharp

Fanyu

Paritosh

Zhan

Meetings

08/21/2020 21st August Team Meeting

Attendance:

Robert, Akhmet, Fanyu

Summary:

Fanyu was assigned the job of creating use cases for Admin: "create subject" Postcondition: one or more instructor, student. Another: inspect details of subject. Shows instructors, students and exam.

Task for whole team, read the two articles about preparing a database and web app in preparation for the tutorial.

Action Items:

☒ Prepare for tutorial

☒ Fanyu create admin use cases

08/28 28th August 2020 Team meeting

Meeting Agenda:

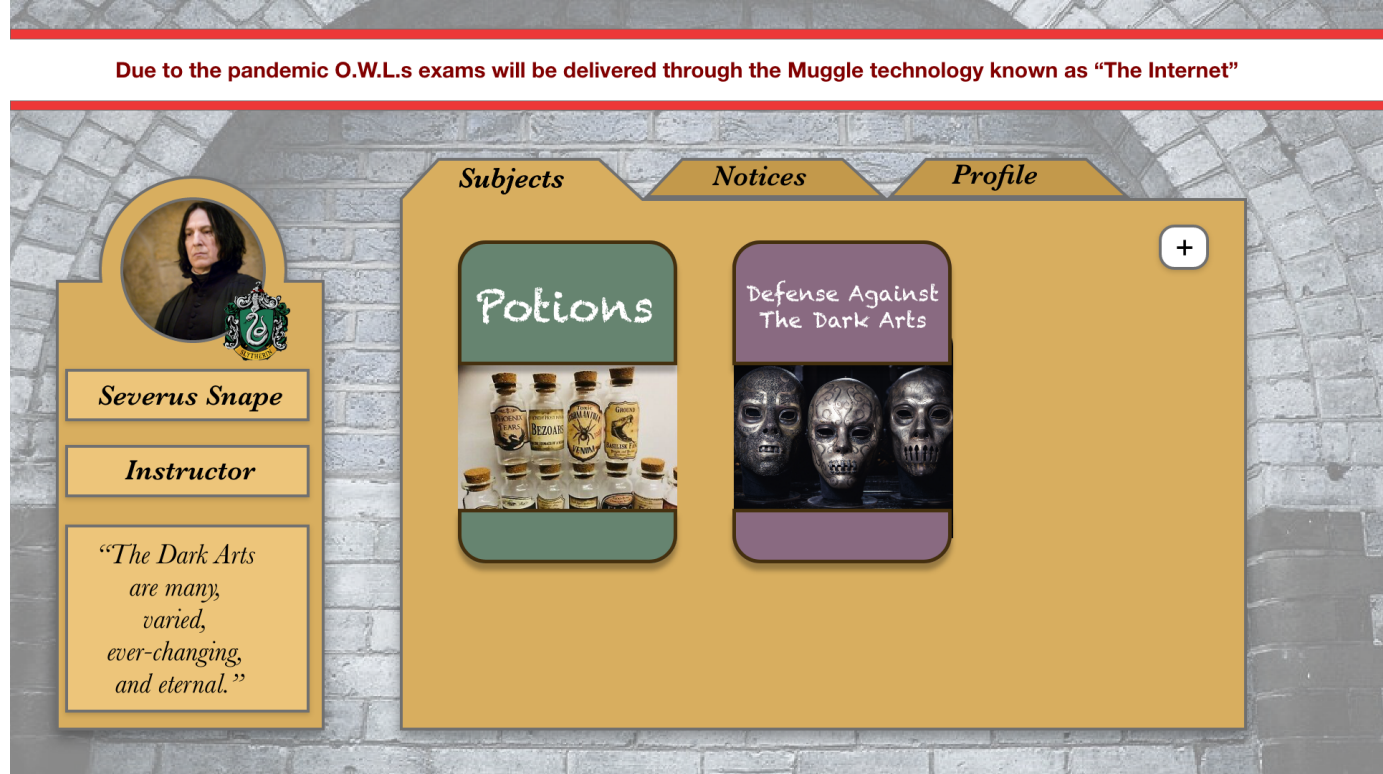
Agenda Item	Time Allocated	Led By
Standup	5 min	
Decide Theme	5 min	
Discuss Workshop attendance	5 min	
Discuss Backend	15 min	

Attendees:

Name	Role
Robert	Host, Minutes Recorder
Ackmetzhan	
Paritosh	
Fanyu (only able to attend via Slack)	

Minutes:

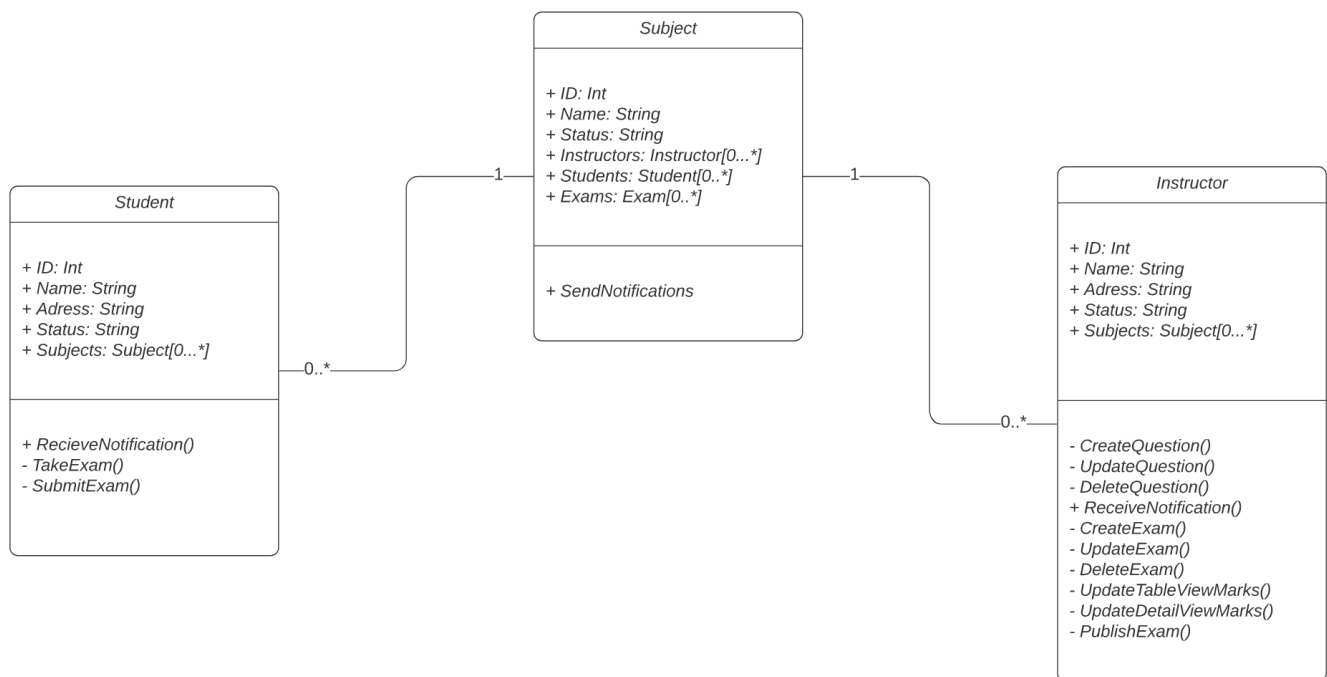
Robert showed a rough concept of the theme. The group decided that this was worth pursuing. Paritosh said we should ensure if the theme conflicts with the assignment specification then we go with assignment specification.



Paritosh showed his incomplete Class diagram. The group discussed what other classes could be included. Paritosh explained the importance of creating a different kind of diagram, which would be helpful for database design (ERD).

Exam System Class Diagram (SWEN90007)

Paritosh Wadhavane | August 28, 2020



Ackmetzhan expressed the tutors concern with lack of attendance in Workshop. Paritosh and Robert promised to attend next week's tutorial.

Robert discussed the importance of keeping up to date minutes. Paritosh agreed we should split the duty amongst the group.

Robert created a Trello board and invited the group.

The group agreed to meet Monday 31st 7 PM.

Action items:

- ☒ Paritosh finish class diagram
- ☒ Robert create minutes
- ☒ Robert create personas
- ☒ Ackmetzhan research backend

09/04 4th September 2020 Team meeting

Meeting Agenda:

Agenda Item	Time Allocated	Led By
Standup	5 min	
Discuss Class Diagram	15 min	
Discuss Tasks	5 min	
Discuss Subject	5 min	

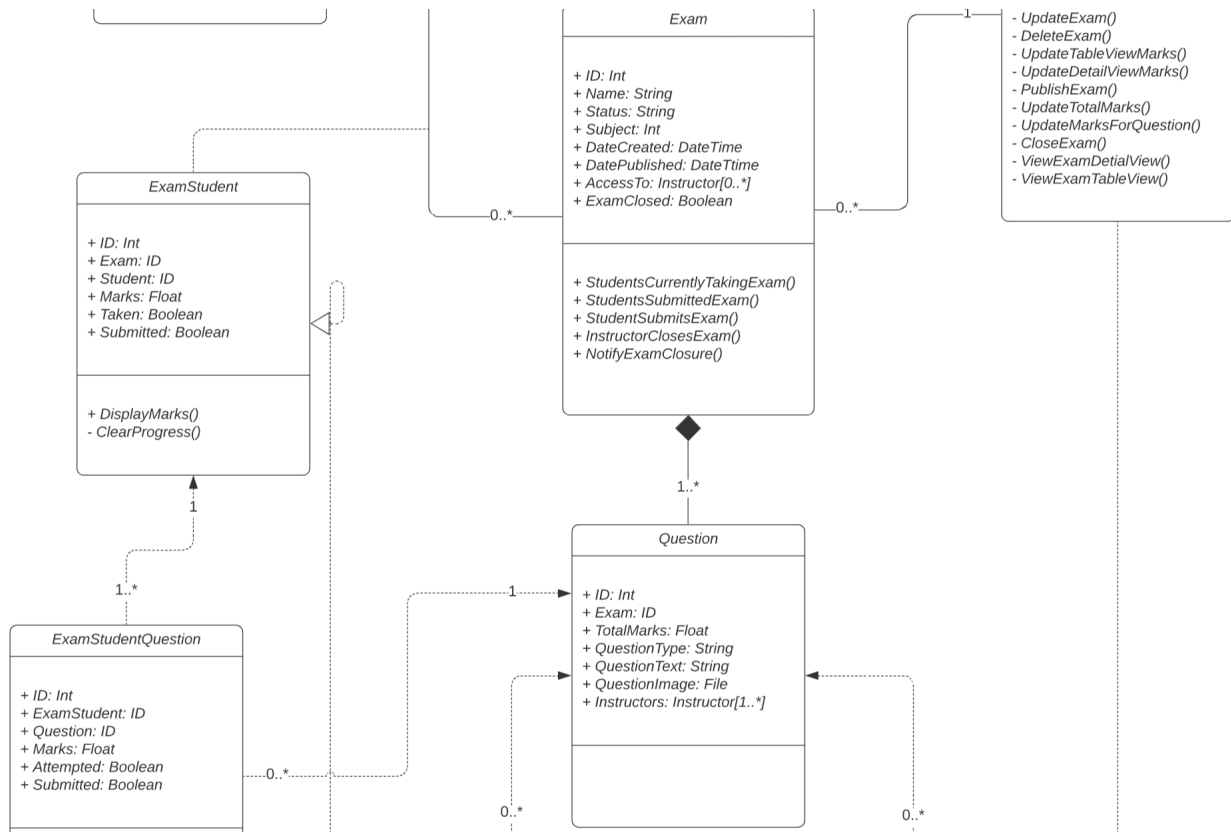
Attendees:

Name	Role
Robert	Host
Ackmetzhan	
Paritosh	
Fanyu	Minutes Recorder

Minutes:

Actual meeting length around 1 hour.

Paritosh showed a rough class diagram. Robert was concerned about the names of the classes such as ExamStudentQuestion. He thought this was not understandable english. However, Paritosh explained that this was convention for classes that have dependencies. Robert could not come up with better names, accepted that the convention exists and agreed to use the names as they were.



The group discussed what needs to be achieved by week 9 submission of part 2.

It was decided that we should ask the tutor in the workshop

1. should we use two repositories (ie. separate front and back end)
2. should we implement authentication

The group agreed to meet Friday 11 th September 7:30 PM.

Action items:

- ☐ Paritosh create exam prototype
- ☒ Paritosh create minutes
- ☐ Robert learns patterns
- ☒ Ackmetzhan creates backend models
- ☐ Fanyu research JSP and create prototype

09/11/2020 meeting

Meeting agenda

Agenda	Time allocated	Led by
Standup	10 mins	
Discuss tasks for the next week	10 mins	
Demonstration of front-end work completed	5 mins	Fanyu
Discuss the overall progress	5 mins	
Assign tasks for the next week	10 mins	

Name	Role
------	------

Akhmetzhan	Notes taking
Fanyu	
Robert	Zoom meeting host
Paritosh	

Minutes:

Rob did not get his assigned task done (go through architecture patterns) so part of it was reassigned to Ackmet and Fanyu.

The team discussed if we have completed the tasks and have something to show.

Fanyu demonstrated and showed some functionalities and explained front-end features. Also, he uploaded it to the GitHub.

Akhmetzhan uploaded the models according to the class diagram to the GitHub

The group discussed what is necessary to be completed before 18/09/2020

- ☐ Domain Model @ Akhmetzhan Kussainov
- ☐ Data mapper @ Akhmetzhan Kussainov
- ☐ Unit of work and @ Fanyu Meng
- ☐ Lazy Load @ Fanyu Meng
- ☐ Identity field through to Embedded value @ Robert Michael Sharp
- ☒ Upload lectures for Fanyu to access it @ Robert Michael Sharp
- ☐ show CSS library example @ Paritosh Wadhavane
- ☐ Fill out survey @ Akhmetzhan Kussainov @ Robert Michael Sharp @ Fanyu Meng @ Paritosh Wadhavane

The team has agreed to meet on Wednesday for the update.

Have an additional meeting on Friday 7:30 PM

09/19 19th September 2020 Team meeting

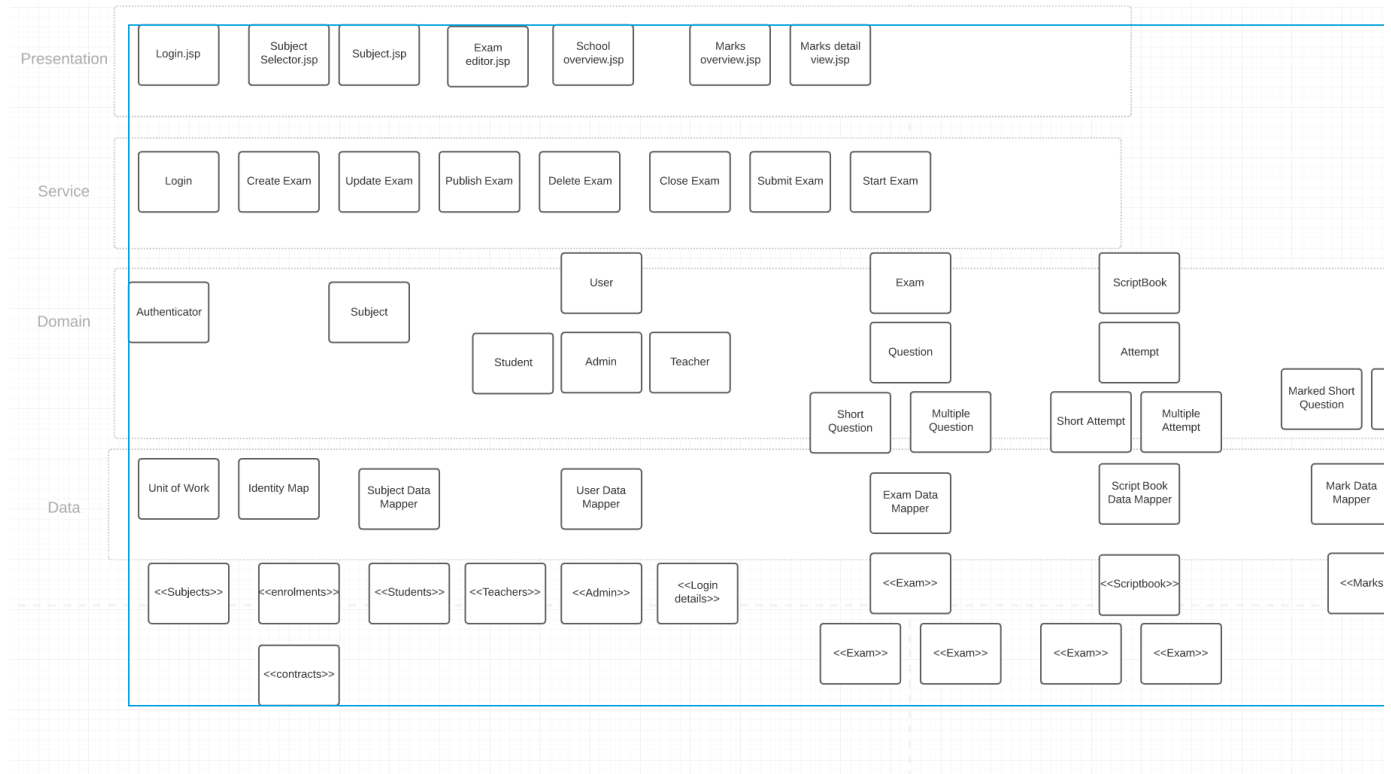
Meeting Agenda:

Agenda Item	Time Allocated	Led By
Standup	5 min	Rob
Discussion of diagram	30 min	Rob
Discussion of patterns	5 min	Fanyu
Task allocation	15 min	Rob

Attendees:

Name	Role
Robert	Host, Minutes Recorder
Akhmetzhan	
Paritosh	
Fanyu	

Minutes:



Robert created a rough class diagram that had 4 layers. This was one week late. This delay is a big problem for the group. As the tutor said in the workshop on Wednesday, 3 weeks is possible complete the assignment, but 2 weeks may be very difficult. The group agreed we need to work hard to finish. We agreed to try to finish the coding by 1st of October, that way we have time to fix bugs.

Robert's diagram changes some class names from Paritosh's ie. student-exam was changed to scrapbook, which is based off the old paper exam days.

The next meeting is Monday 7:30 21st September.

Action items:

- ☐ Paritosh to do .jsp
- ☐ Robert to do domain
- ☒ Fanyu to investigate Unit of Work
- ☒ Robert to do minutes

09/21 21st September 2020 Team meeting

Meeting Agenda:

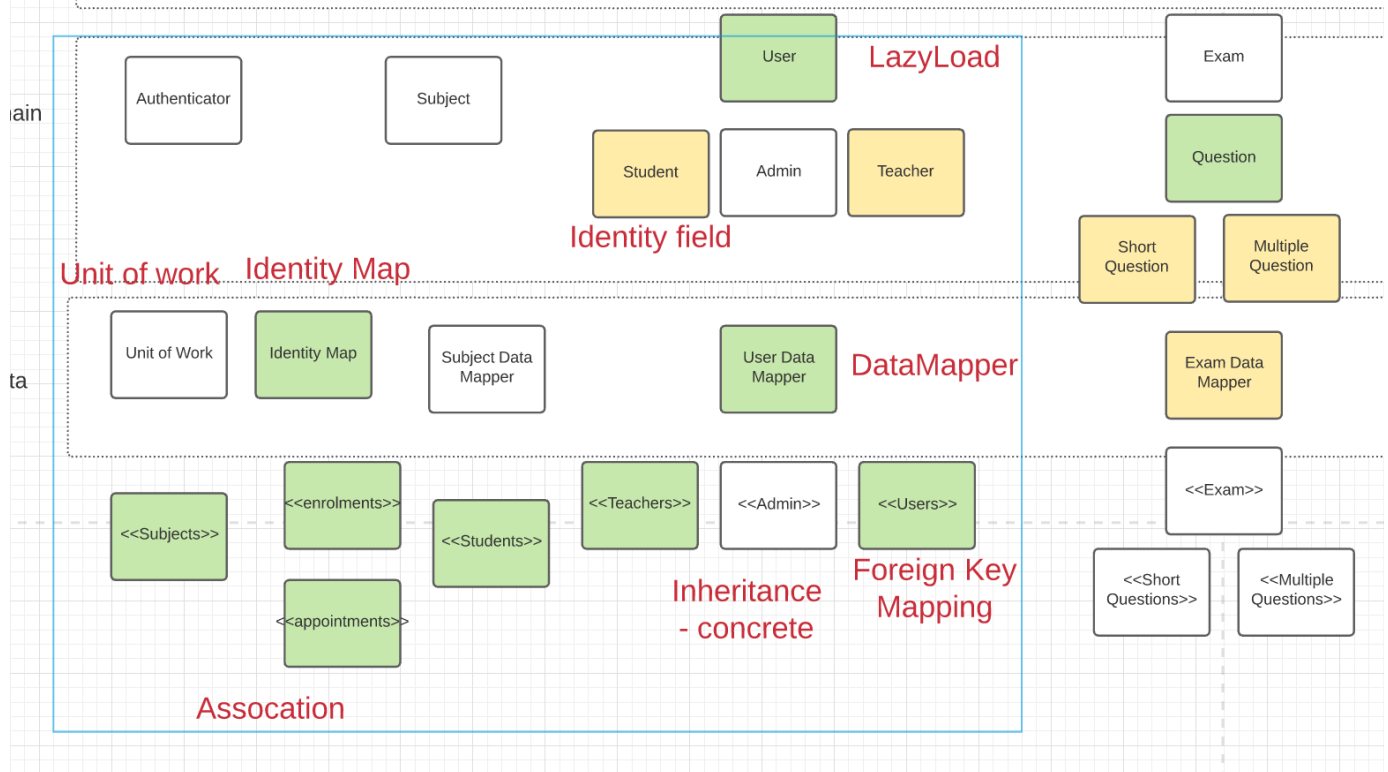
Agenda Item	Time Allocated	Led By
Standup	5 min	Rob
Discussion of progress	30 min	Rob
Discussion of marks	5 min	Rob
Task allocation	15 min	Rob

Attendees:

Name	Role
Robert	Host, Minutes Recorder

Akhmetzhan	
Paritosh	
Fanyu	

Minutes:



Robert shared his progress on the domain and database (green indicates completed code, yellow unfinished and white not yet started).

Fanyu had completed his work on the "unit of work" however had not tested it.

Akhmet had not completed his other assignment so was still working on that.

Paritosh did not complete his assigned task of producing the presentation layer (so jsp and pagecontrollers). He did however install eclipse and was able to compile and run Fanyu's code.

Fanyu was assigned testing the unit of work after integrating it with the datamappers (and creating the sections of datamappers to update, delete and create new data in the database).

Akhmet was not assigned any tasks.

Paritosh was assigned the same task he did not complete, however made smaller, only to do the login and one other jsp/pageController.

Robert was assigned to complete the domain.

The next meeting is Wednesday 7:30 23rd September.

Action items:

- ☐ Paritosh to do .jsp
- ☐ Robert to finish domain
- ☒ Fanyu to test Unit of Work
- ☒ Robert to do minutes

09/23 23rd September 2020 Team meeting

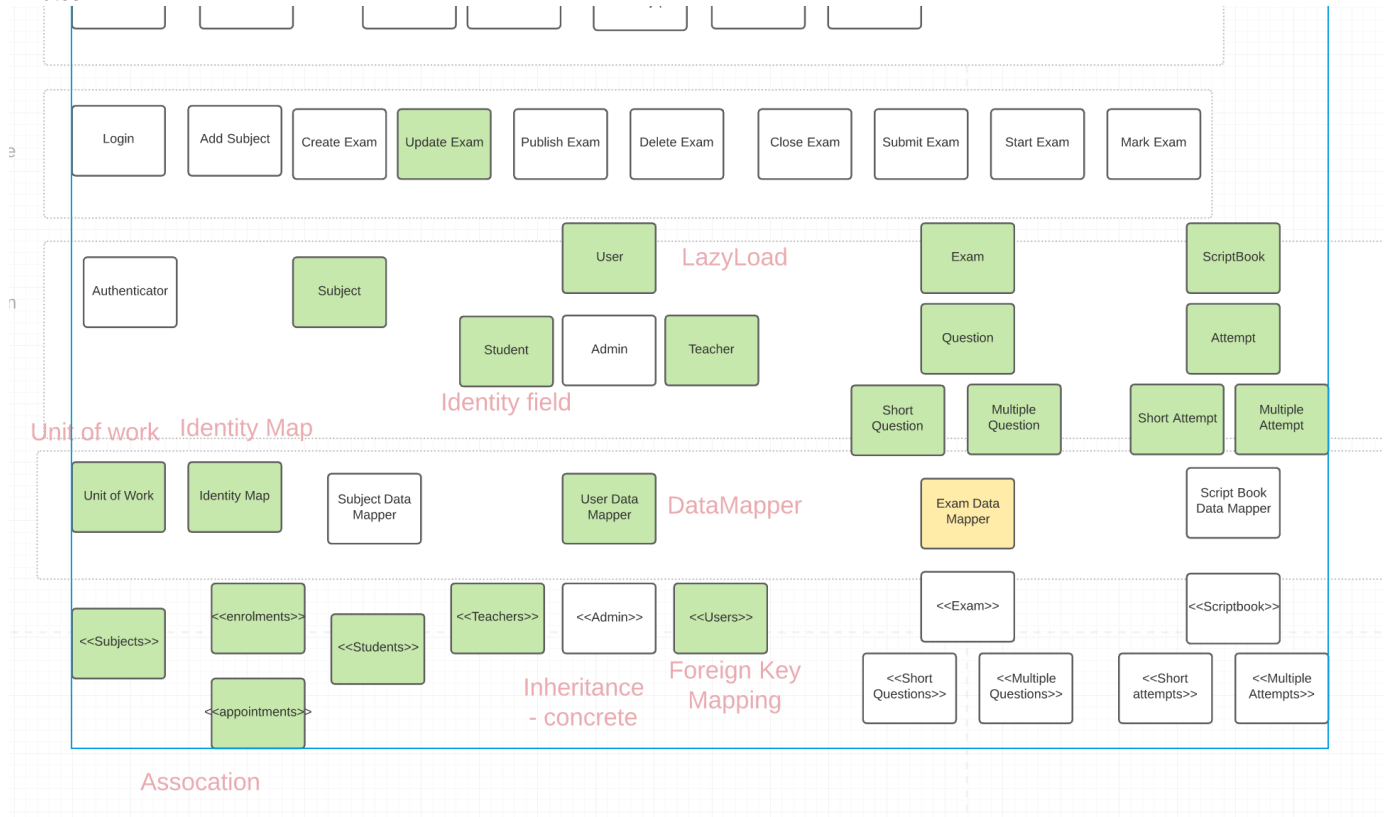
Meeting Agenda:

Agenda Item	Time Allocated	Led By
Discussion of progress	30 min	Fanyu

Attendees:

Name	Role
Robert	Host, Minutes Recorder
Paritosh	Slack standup only
Fanyu	

Minutes:



Akhmet was still busy with other assignment and did not attend. Paritosh was also busy and requested to just post his standup on slack. He had not finished the JSPs and page controllers, but estimated they would be done by Thursday night.

Robert had not finished the domain.

Fanyu however completed his assigned task. He demonstrated to Robert how it worked. This code was also merged with main branch.

The assigned task:

"Paritosh, you need to have done the JSPs by then, otherwise we can't easily test our code. Akhmet, do the deployment by next Tuesday night (so we can ask tutor if problems). Also, there's a simple job which is being able to compare DATETIME from SQL database with java's clock (ie. so we know whether exam can start) but making sure about time zones. It would be good Akhmet if you could do that job by this Sunday. I'll finish the domain. Fanyu finished his job already so can work on other subjects."

The next meeting is Friday 7:30 25th September.

Action items:

- ☐ Paritosh to do .jsp
- ☐ Ahkmet to investigate deployment, datetime
- ☐

☐ Robert to finish domain

☒ Robert to do minutes

09/25 25th September 2020 Team meeting

Meeting Agenda:

Agenda Item	Time Allocated	Led By
Standup	30 min	Paritosh
Discussion of Trello	30 min	Rob

Attendees:

Name	Role
Robert	Host, Minutes Recorder
Akhmetzhan	
Paritosh	
Fanyu	

Minutes:

Paritosh got his assigned tasks done. He also did some extra things, such as create a list of JSPs as well as he implemented authentication.

Akhmet attended and was assigned a larger work load because of previous time he was busy with other assignments to ensure a fair workload.

Robert finished the domain, started the exam mapper but was not able to finish all the data mappers. These were instead assigned to Fanyu and Ackmet.

The full task breakdown can be seen on the Trello board.

The next meeting is Wednesday 7:30 30th September.

10/3 3rd October 2020 Team meeting

Meeting Agenda:

Agenda Item	Time Allocated	Led By
Standup	30 min	Ackmet
Discussion of Patterns	30 min	Rob

Attendees:

Name	Role
Robert	Host, Minutes Recorder
Akhmetzhan	
Paritosh	Did not attend, coding instead
Fanyu	

Minutes:

Paritosh asked to reschedule the meeting to 11 AM the next day because he was busy debugging. The other three members continued to have a meeting.

Fanyu had completed his tasks but was assigned new ones: completing the unit of work and the embedded value pattern. Ackmet believed he would have finished all his tasks by end of tonight.

Robert had difficulty explaining how this pattern would work. Ackmet also said it was confusing what methods should go in the service package objects and which should go in the domain objects. Both these issues highlight a failure by the group not to have created a detailed class diagram that everyone on the team understood.

Robert has basically finished the report except for the diagrams, write up of the unit of work pattern and description of testing (we had done almost none so far).

The group discussed deployment.

The next meeting is Sunday 11:00 AM 4th October.

Retrospective

Issue	Remedy	How
Rob did not work/provide leadership in final week due to being busy with another subject	Instead of doing one subject at time, work on all at same time	
Ackmet concentrated on other subjects	Instead of doing one subject at time, work on all at same time	
Paritosh waited on data mappers	Using a facade	
Ackmet was not getting the data mappers		
Paritosh wasn't there on Saturday		
Didn't have class diagram	Create a class diagram	
Problems with merging code	Explore IntelliJ idea	
Code not finished	Need review system + sign off	
Horizontal rather vertical	Vertical system would be better	
JSPs difficult	Explore alternative patterns	
Ackmet was working without sleep		
Code should've been commented		
People weren't up to date on notes		
Deployment	We need two deployment	
Confusion about branches		Version control
Patterns weren't properly implemented	Peer review	

10/09/2020

Agenda	Time allocated	Led by
Meeting with Dr Maria	30 min	Dr. Maria
Discussion of the meeting	30 min	Rob
Assigning Tasks	45 min	Everyone

Attendees:

Name	Role
Maria	Subject Instructor, Meeting Host
Rob	
Akhmet	Meeting Minutes
Fanyu	
Paritosh	

Minutes:

Discussion with Maria of proper solution and planning for Part 3 of the project.

The following solutions for the team performance improvements:

Using of Trello board for task assignment

Using specific time restrictions and proper deadline

Record task completion on time, and record the hours of work for each team member.

Discussion with Maria of individual contributions for each student:

Usage of peer Review for assessment.

Use of proposed solutions for team performance improvements

Team meeting

Discussion of progress and what has to be done for required tasks to be completed by Tuesday, Oct 13.

Creating and fixing of the class diagram on Saturday, Oct 11. Meeting at 7 PM. Attendees for the next meeting: Akhmet, Fanyu, Paritosh.

Robert is required to do another assignment and will be busy until the end of the next week.

Meeting 10/10/2020

Agenda	Time allocated
Make changes to the class diagram	30 min
Discussion of the class diagram further progress and discussion of sequence diagram	40 min

Attendees

Name	Role
Akhmet	Minutes taking, class diagram participation
Robert	Discussions of class and sequence diagram
Paritosh	Class diagram participation, host meeting

Minutes:

Make changes to the class diagram

The team has made changes and improvements to the class diagram. However, it turned out to be more complicated to complete and find a proper agreement. So, the team decided to wait for Fanyu for team discussion.

Discussion of the class and sequence diagrams

The team has made some first participation for proper sequence diagrams and updates on the class diagram. The team decided to make things at a later date on Tuesday, 13th of October to complete the rest of the job and resolve conflicts in general understanding of how the software works with all team members.

Meeting 13/10/2020 13th October

Agenda	Time allocated
Standup	30 min
Discussion of the class diagram further progress and discussion of sequence diagram	60 min

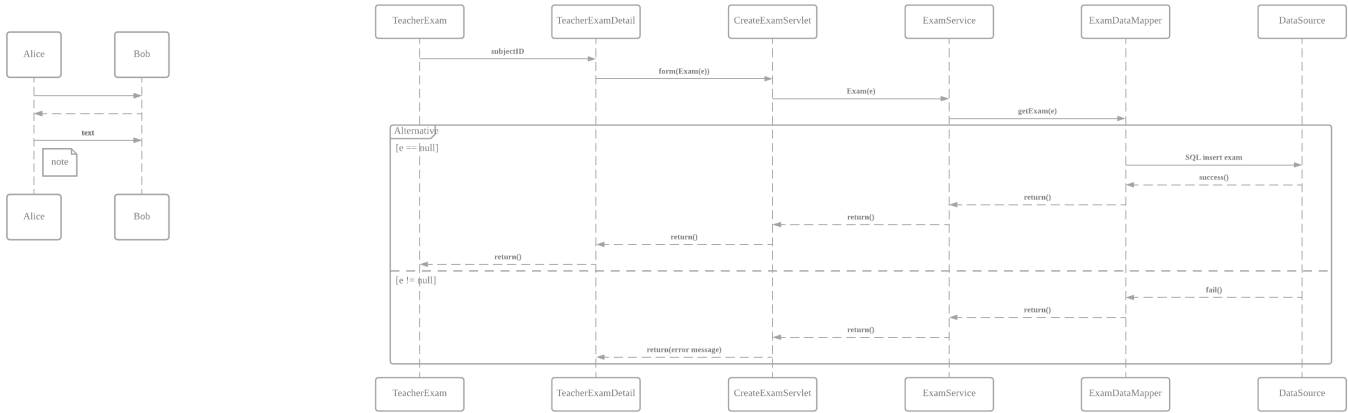
Attendees

Name	Role
Akhmet	
Robert	Minutes

Paritosh	
Fanyu	

Minutes:

Fanyu had completed his assigned task of researching generating sequence diagrams fast using code. He demonstrated this to us and we generated two sequence diagrams.



Paritosh showed the work he had done. He had done a .github which should aid in merging code in the future. He also showed the service layer he had built (a facade pattern). He had also integrated Fanyu's code.

The screenshot shows an IDE with the following components:

- Package Explorer:** Shows a project structure with packages like `service` and `uow`, and classes like `Login.java`, `ExamService.java`, and `QuestionService.java`.
- Code Editor:** Displays the `Login.java` file, showing a `login` method that sets headers and redirects based on user type. It also shows a `login.jsp` file with a form for username and password.
- Console:** Shows the output of the application, including the Tomcat server startup message and the login attempt.

Paritosh had estimated he had done 9 hours of work.

Ackmet talked about how he had been looking at the code and investigating integrating the code.

Meeting 20/10/2020 20th October

Agenda	Time allocated
Standup	40 min
Setting jobs for next meeting 24/10/2020	15 min

Attendees

Name	Role
Akhmet	
Robert	
Paritosh	Minutes
Fanyu	

Minutes

- Paritosh gave a demo for JSP/servlet/Service layer for Student Scriptbooks (4.5 hours of work).
- Robert went through all the 4 security patterns and claimed he can complete 3 within 15 hours.
- Fanyu showed us ExclusiveLockManager (Teacher Exam lock example) example that he worked on.
- We decided to follow pessimistic pattern for concurrency locking.
- Question/Exam integration overdue to Saturday for Akhmet.