

SWE573 Software Development Practice, 2022 Spring Project Final Deliverables

Name: Ömer Ege Özkaya

Course: SWE523

Date: 2022-05-31

Project Name: Co-Learn

Git Repository: <https://github.com/omer-ege-ozkaya/bounswe573-2022>

Co-Learn Directory in Git Repository: <https://github.com/omer-ege-ozkaya/bounswe573-2022/tree/main/co-learn>

Git Tag Version: v0.9

Git Tag URL: <https://github.com/omer-ege-ozkaya/bounswe573-2022/releases/tag/v0.9>

Deployment URI: <http://34.69.244.180:8000/>

Test User Id: suzan, admin, omerege (sign up mechanism can also be utilized)

Test User Password: 1234

Demo Video: <https://drive.google.com/file/d/1r3UR7yiGIRML5XgaHrI8P510tEh4-ZnI/view?usp=sharing>

HONOR CODE

Related to the submission of all the project deliverables for the Swe573 2022 Spring semester project reported in this report, **I Omer Ege Ozkaya declare that:**

- I am a student in the Software Engineering MS program at Bogazici University and am registered for Swe573 course during the 2022 Spring semester.
- All the material that I am submitting related to my project (including but not limited to the project repository, the final project report, and supplementary documents) have been exclusively prepared by myself.
- I have prepared this material individually without the assistance of anyone else with the exception of permitted peer assistance which I have explicitly disclosed in this report.

Ömer Ege Özkaya

Signature:



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Project Details

Overview

This report is to document the up-to-date status of the project Co-Learn. Co-Learn is a co-learning space which aims to bring people together that are enthusiastic about some topic, which will enhance their learning experience.

The current state of the project includes a hierarchical structure of:

1. Co-learning Space
2. Article
3. Post

Other modules included in the project are:

1. Search
2. Authorization
3. Profile

In its final state, there is no code or design in the working system that is taken from somewhere else, so that I do not have a reference. But I should definitely mention that, I couldn't have made this far without w3school, mozilla and.djangoproject websites, and, of course, stackoverflow.

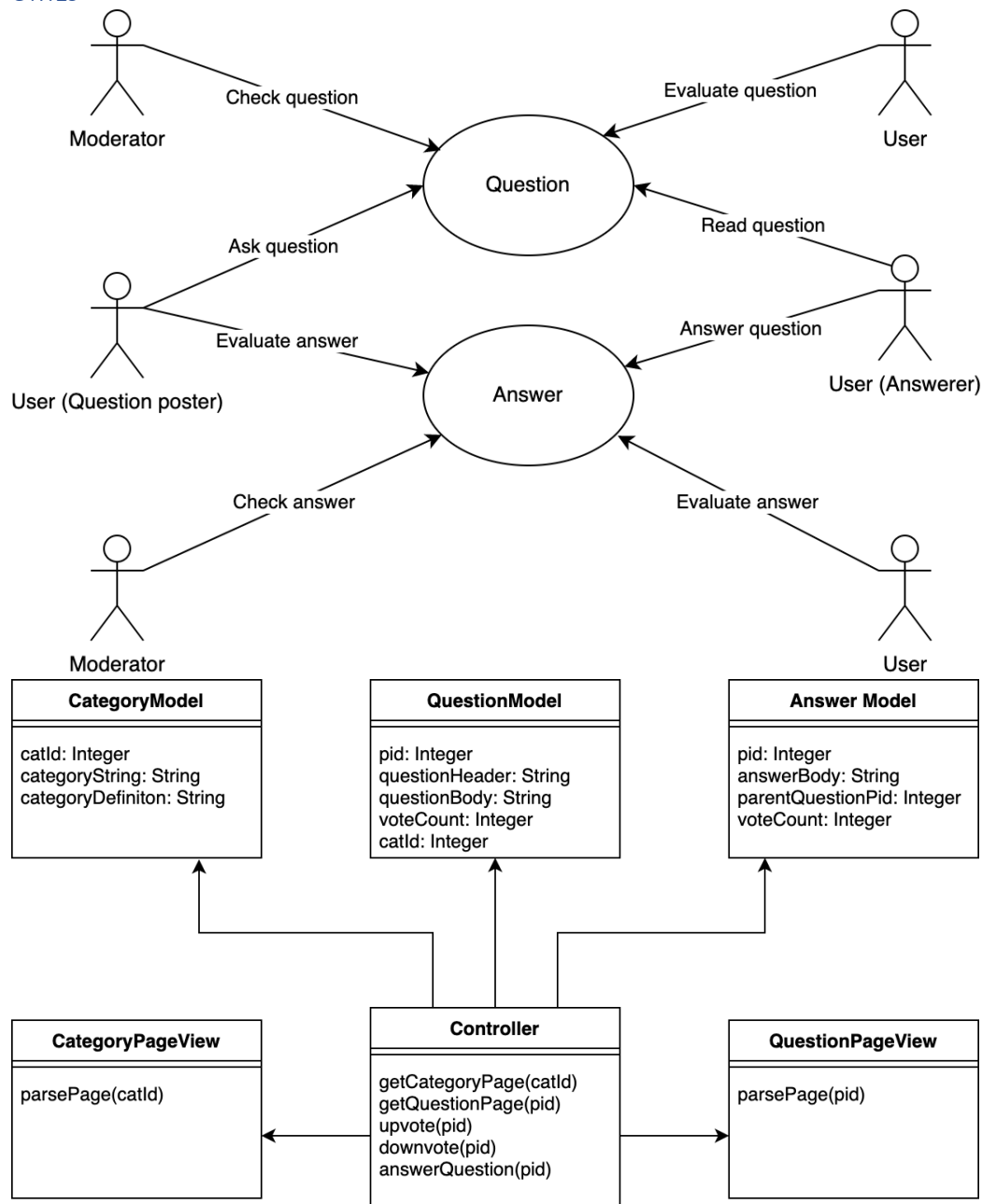
Software Requirements Specification

- Visitors should be able to browse.
- Visitors should be able to sign up.
- Users should be able to browse.
- Users should be able to sign in.
- Users should be able to list categories.
- Users should be able to follow categories.
- Users should be able to list topic.
- Users should be able to follow topics.
- Users should be able to preview courses.
- Users should be able to enroll courses.
- Users should be able to post questions.
- Users should be able to create discussion spaces.
- Users should be able to edit their posts.
- Users should be able to edit their profiles.
- Users should be able to upload videos.
- Users should be able to upload pictures.
- Users should be able to rate the contents.
- Users should be able to favorite any content.
- Users should be able to create multiple favorites lists.

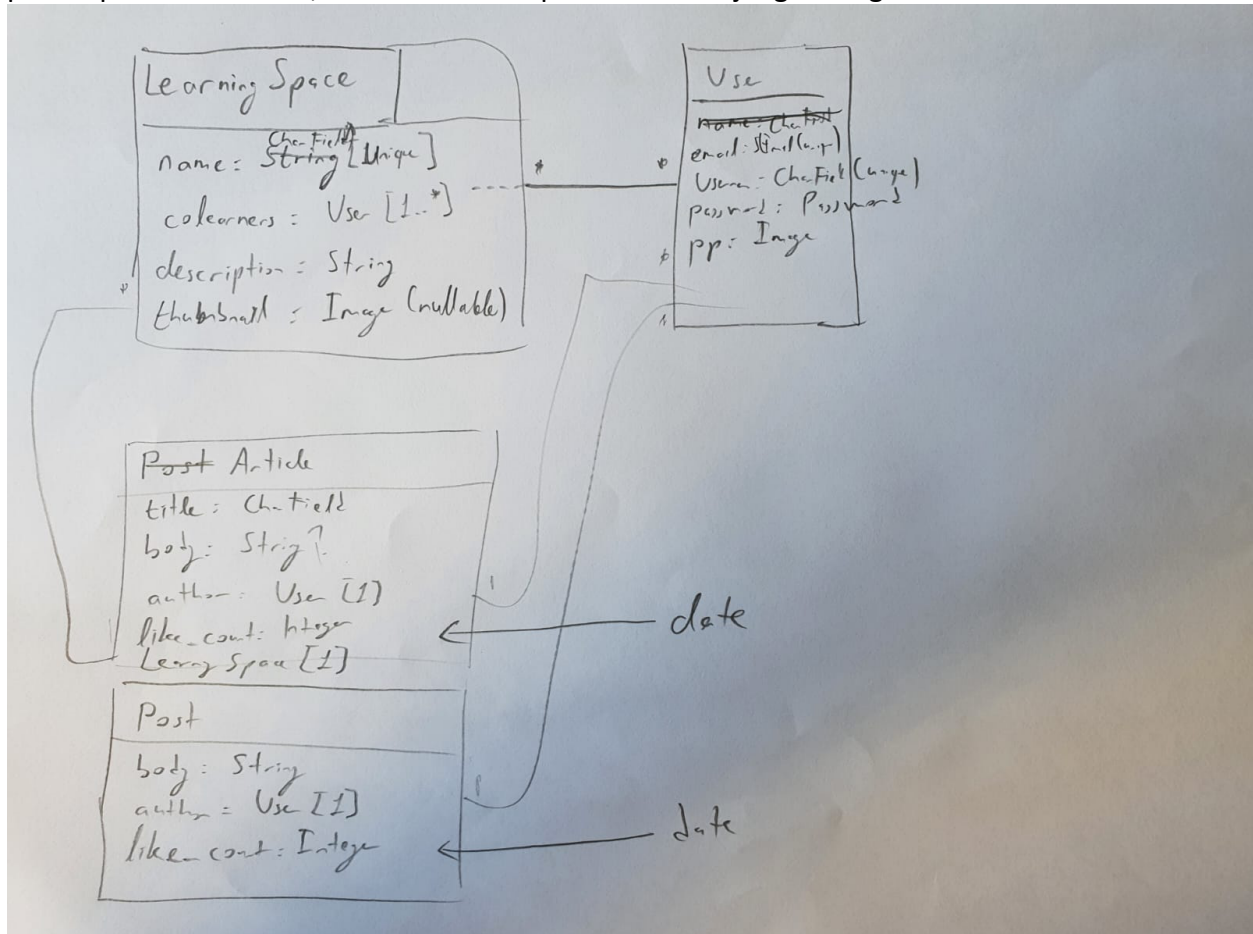
- Users should be able to change the speed of the video content.
- Users should be able to change the speed of the audio content.
- Admins should be able to see all the content.
- Admins should be able to remove any content.
- Admins should be able to edit any content.
- Admins should be able to ban any users.
- Admins should be able to remove any ban.

Design (Software & Mockups)

UMLs



I have several pages of hand-written pseudo codes and UML diagrams, which emerged during the development process. However, most of them are unreadable because of my bad handwriting and I do not see any value of them being here. On the other hand, I will include an important one among them, the elementary models of the Co-Learn application. This UML have later been changed slightly: the User model became the Profile model, which has two fields: profile picture and user, which the latter points to the Django's original "auth.user" model.



Co-Learn

Login/Signup

Learn from people as passionate as you!

Browse the categories below or sign
up now.

Sign Up



Category 1

Nunc mattis feugiat ex
scelerisque congue.



Category 2

Nam ut justo placerat, eleifend
sem at, finibus velit.



Most popular topic of the week

Vivamus tincidunt metus id suscipit ultrices

Follow



#1 Most upvoted
topic of the
month



#2 Most upvoted
topic of the
month



#3 Most upvoted
topic of the
month



[Footer]

miro

Site Heading	User nickname
Navigation Bar	
<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <h2 style="margin: 0;">Category Name</h2> <p style="margin: 5px 0;">Category Explanation</p> </div> <div style="width: 30%; border: 1px solid #ccc; padding: 5px; font-size: 0.8em;"> Question Sort Selector (Most Recent / Most Upvote / Most Downvote / Most Voted) </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Question Upvote/Downvote Count </div> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Question Upvote/Downvote Count </div> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px;"> Question Upvote/Downvote Count </div> </div>	

Site Heading	User nickname
Navigation Bar	
<div style="display: flex; justify-content: space-between;"> <div style="width: 65%;"> <h2 style="margin: 0;">Question Heading</h2> <p style="margin: 5px 0; font-size: 0.8em;">Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p> </div> <div style="width: 30%; border: 1px solid #ccc; padding: 5px; font-size: 0.8em;"> Upvote/Downvote </div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Most upvoted answer #1 Upvote/Downvote </div> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> Most upvoted answer #2 Upvote/Downvote </div> <div style="display: flex; justify-content: space-between; border: 1px solid #ccc; padding: 5px;"> Most upvoted answer #3 Upvote/Downvote </div> </div>	

Status of the Project

- Visitors should be able to browse. Completed
- Visitors should be able to sign up. Completed
- Users should be able to browse. Completed
- Users should be able to sign in. Completed
- Users should be able to list categories. Completed
- Users should be able to follow categories. Completed
- Users should be able to list topic. Completed
- Users should be able to follow topics. Cancelled as the structure changed.

- Users should be able to preview courses. **Completed**
- Users should be able to enroll courses. **Cancelled as the structure changed.**
- Users should be able to post questions. **Completed**
- Users should be able to create discussion spaces. **Completed**
- Users should be able to edit their posts. **Completed**
- Users should be able to edit their profiles. **Partially**
- Users should be able to upload videos. **Incomplete**
- Users should be able to upload pictures. **Partially**
- Users should be able to rate the contents. **Partially**
- Users should be able to favorite any content. **Incomplete**
- Users should be able to create multiple favorites lists. **Incomplete**
- Users should be able to change the speed of the video content. **Incomplete**
- Users should be able to change the speed of the audio content. **Incomplete**
- Admins should be able to see all the content. **Completed**
- Admins should be able to remove any content. **Completed**
- Admins should be able to edit any content. **Completed**
- Admins should be able to ban any users. **Incomplete**
- Admins should be able to remove any ban. **Incomplete**
- EXTRA (Not in the original requirements): Search **Completed**

Status of Deployment

- Dockerization: **Completed**
- URL: **Completed**

System Manual

Installation Requirements:

These should be installed on the system:

- Git
- Docker
- Web Browser

Installation instructions with docker:

1. Open Shell
 - a. git clone <https://github.com/omer-ege-ozkaya/bounswe573-2022.git>
 - b. cd co-learn
 - c. docker-compose up OR docker compose up
2. Wait for this line from Shell:
web_1 | Starting development server at <http://0.0.0.0:8000/>
3. With your web browser navigate to the server's URL that has been printed in the Shell in Step 2.

User Manual

The site is open to everyone to browse.

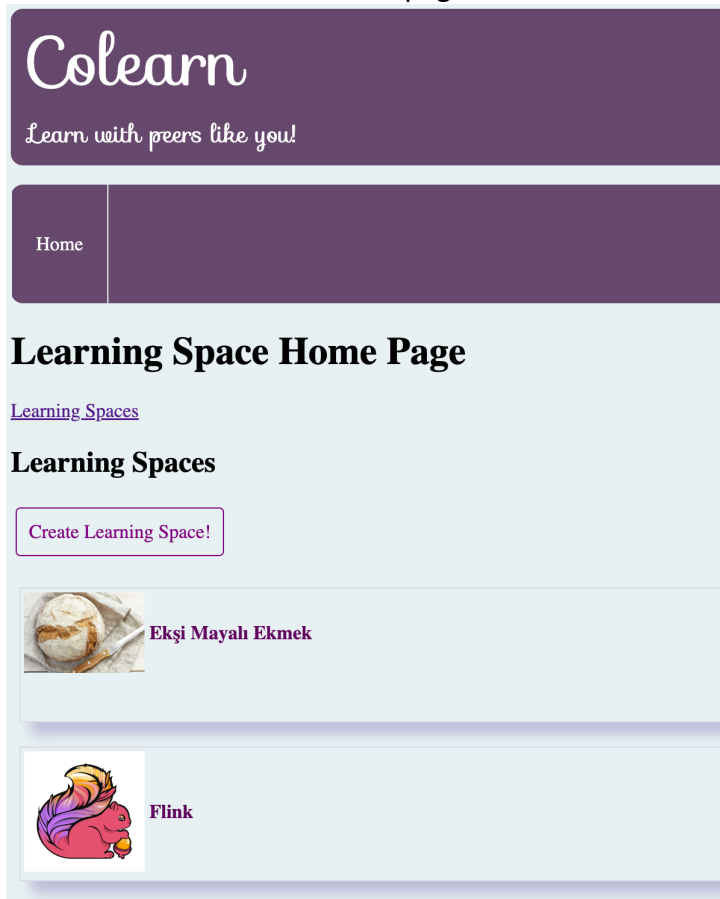
From the top bar a user can search the topic they are curious about from the top bar, login or sign up if they are not signed in yet.



After logging in the top bar will indicate the user is signed in. The user then can navigate to their profile page by clicking on their name, or log out by clicking the button.



The user can browse the main page:



Or create a learning space according to their interest:

Colearn

Learn with peers like you!

[Home](#)

Create Learning Space

- Name:

Ekşi mayalı ekmek tarifleri, püf noktaları
- Description:
- Thumbnail:

In a learning space a user will see other colearners and articles of the learning space with a preview. There is also always a navigation right under the heading which depicts where the user is.


Colearn

Learn with peers like you!

[Home](#) [Log Out](#) [admin](#)

Learning Space Articles

[Learning Spaces](#) > [Ekşi Mayalı Ekmek](#)



Articles of Ekşi Mayalı Ekmek

Colearners: [omerege](#), [ekmeksevdalisi](#)

Like count: 0

Author: [omerege](#) Püf [Ekşi mayanızı, ekmeği yapmadan en az 1 gün önce beslemeniz gerekmektedir. Aksi takdirde mayanız aktif hale gelmeyecektir. Mayanızı suya koyduğunuzda dibe çöküyorsa kullanıma hazır değildir. Yüzüyorsa...](#)

May 31, 2022, 4:42 a.m. Noktalar

The articles contain posts.


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Learn with peers like you!

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Learning Space Articles
[Learning Spaces](#) > [Ekşi Mayalı Ekmek](#) > [Püf Noktalar](#)

Posts of Püf Noktalar
[Write Post!](#)

Like count: 0



omerege
May 31, 2022,
4:42 a.m.

Ekşi mayanızı, ekmeği yapmadan en az 1 gün önce beslemeniz gerekmektedir. Aksi takdirde mayanız aktif hale gelmeyecektir. Mayanızı suya koyduğunuzda dibe çöküyorsa kullanıma hazır değildir. Yüzüyorsa kullanıma hazırdır. Ekmeğinizi yapmaya başlamadan önce bir parça ekşi mayayı suya koyarak kontrol edebilirsiniz.

[Edit Article](#)
[Delete Article](#)

If a user would like to add, all that they should do is to click “Write Post!” button.

Colearn
Learn with peers like you!

[Home](#)[Search](#)[Log Out](#)[admin](#)


Learning Space Articles
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Posts of Püf Noktalar
[Hide Form](#)

Body:

[Submit](#)

Like count: 0



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May 31, 2022,
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Ekşi mayanızı, ekmeği yapmadan en az 1 gün önce beslemeniz gerekmektedir. Aksi takdirde mayanız aktif hale gelmeyecektir. Mayanızı suya koyduğunuzda dibe çöküyorsa kullanıma hazır değildir. Yüzüyorsa kullanıma hazırdır. Ekmeğinizi yapmaya başlamadan önce bir parça ekşi mayayı suya koyarak kontrol edebilirsiniz.

[Edit Article](#)
[Delete Article](#)

Test Results

Unit tests have been developed and used in the first days of the development. However, they have been abandoned to speed up the development process in the final days of this delivery. Already present bugs would also disrupt the testing system at the moment of this writing, and would prevent the delivery of the project.