

Boğaziçi University
Swe573 Software Development Practice, Fall 2024
Project Final Deliverables

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Deployment URL: <https://erayswe573.com.tr/>

Git Repository URL: <https://github.com/eraykahraman/SWE-573/>

Git tag version URL: <https://github.com/eraykahraman/SWE-573/releases/tag/v0.9>

Honor Code

Related to the submission of all the project deliverables for the Swe573 Fall 2024 semester project reported in this report, I Eray Kahraman declare that:

- I am a student in the Software Engineering MS program at Bogazici University and am registered for Swe573 course during the Fall 2024 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.

Eray Kahraman

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1. Project Details

1.1 Overview

Our mission in this project is to professionally develop a web site using best practices. Project requires best practices for requirements specification, project design and version management. Consequently our project requires us to manage development a website that satisfies given requirements with complete documentation. Our project is to developing a website for users to discuss on unknown objects in order to identify them.

1.2 SW Requirements Specification

SW requirements specification process consists requirements elicitation, requirements analysis, requirements specification, requirements validation and requirements management. Initially we gathered requirements by discussing in the class. Following that by project reviews we collect feedback & manage requirements, see requirements below.

Feature	Old Requirements	Revised Requirements
Users	- Users can create accounts with a registration page	- Users can create accounts
	- Users can log in and log out	- Users can log in and log out
Posts	- Registered users can create posts	- Posts are viewable on the main landing page
	- Unregistered users can view posts but cannot comment	- Logged-in users can see post details by clicking on the post
	- Posts should allow post owners to add 10 images	- Logged-in users can create posts
	- Users must be able to edit their posts	- Users must provide an object name to create a post
	- Posts must have specific attributes sourced from Wikidata (e.g., material, size, etc.)	- Users must provide an image to create a post
	- Basic Attributes:	- Users must provide Wikidata tags to create a post
	- Material	- Post creation includes non-mandatory fields

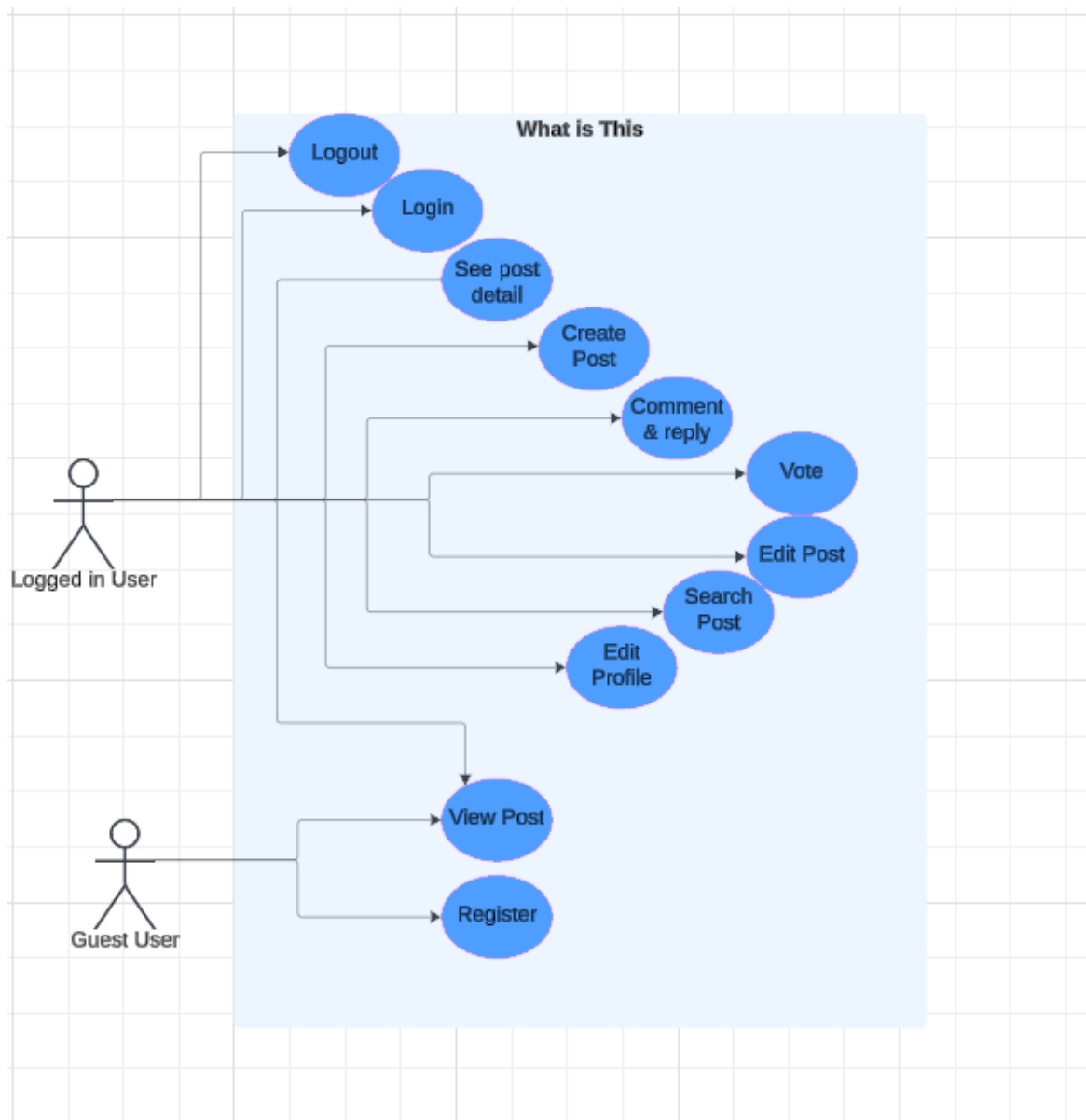
	- Size	- Posts can be edited by their owners
	- Text & Language	- Posts must have "open" and "solved" labels
	- Shape	- Post owners can change the post's label
	- Weight	
Comments	- Registered users can comment on posts	- Logged-in users can comment on the post detail page
	- Comments can contain text, links, and images	- Comments have like and dislike buttons
	- Users can vote on comments	- Comments can be replied to
Tags	- Users can search for objects based on keywords and semantic properties	- Tags must be taken from Wikidata
	- Tags will be taken from Wikidata	- Tag descriptions must be provided during post creation
		- Tag descriptions must be displayed on the post detail page
Search	N/A	- Search functionality must be provided
		- Search functionality available for logged-in users
		- Search performed on post fields
Navigation & UI	N/A	- Landing page contains posts without details
		- Logged-in users can access post details by clicking on posts
		- "What is this?" text navigates users to the main page
		- Users navigate to the post creation page by clicking the "Create Post" button
		- Post creation redirects users to the main page
Post Fields	- Posts must have specific attributes sourced from Wikidata (e.g., material, size, etc.)	- Size must be specified as length, width, and height
	- Basic Attributes:	- Color must be selected from a dropdown
	- Material	- Material must be selected from a dropdown
	- Size	- Text & Language fields accept strings
	- Text & Language	- Found location accepts strings
	- Shape	
	- Weight	

1.3 Design Documents

1.3.1 Class Diagram



1.3.2 Use Case Diagram



1.3.3 Navigation & Architecture

When User navigates to erayswe573.com.tr

If logged in user navigates to

user_dashboard.html

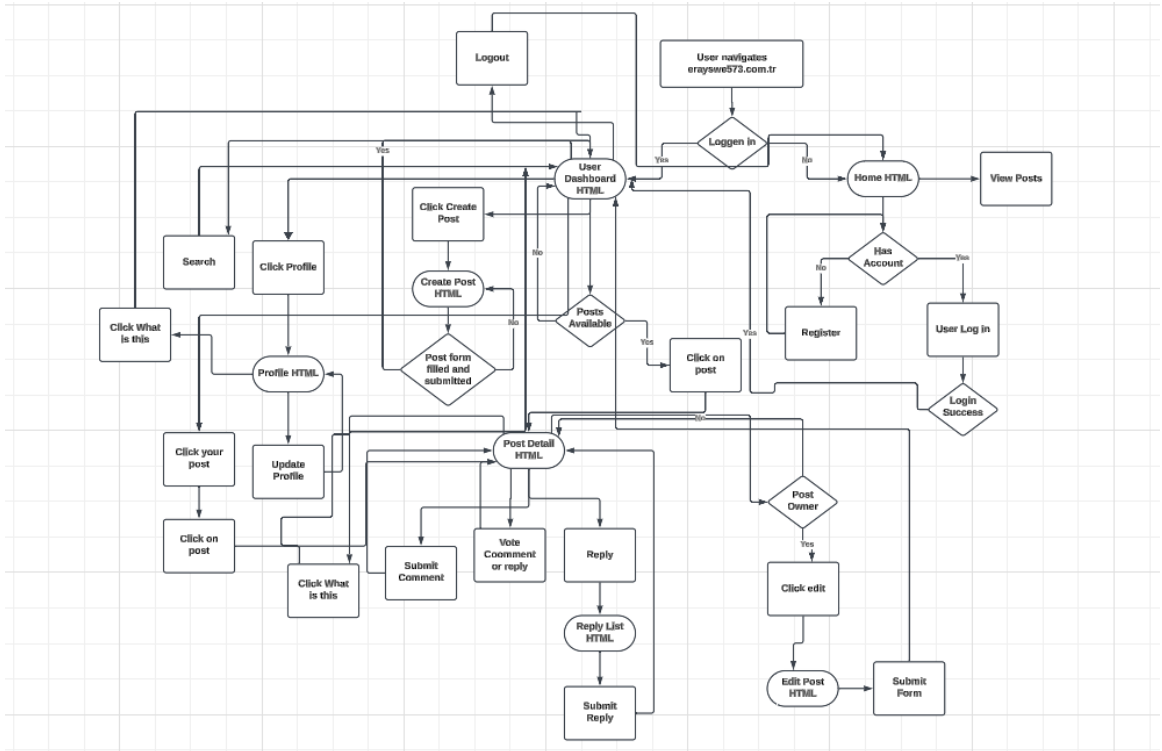
User can

- Navigate create post HTML
 - o Fill post create form
 - o Redirect to user_dashboard.html
 - o If fails get error
 - o Can navigate user dashboard, profile, logout
- See post detail
 - o Can comment
 - o Can reply
 - o Can see post details
 - o Can navigate to user_dashboard, profile, home, create post.html
 - o If own the post
 - Can edit, redirect to user_dashboard.html
 - If success redirect user_dashboard
- Go to profile
 - o Update profile, redirect to profile.html
 - o Click what is this, redirect to user_dashboard.html
 - o Can navigate to user dashboard, profile, create post, home.html
- Search
 - o Redirects user_dashboard.html
- Log out
 - o Redirect home.html
- See own posts
 - o Click on post redirect to post detail.html

Else not logged in navigate to home.html

User can

- Login (if have an account)
 - o User can navigate register
- Register
 - o User redirect to login
- View post (can not see details)



1.3.4 Status of Project

My project is completed, dockerized and deployed.

Deployment url: <https://erayswe573.com.tr/>

Repo url: <https://github.com/eraykahraman/SWE-573>

My project does not contain unit test, user acceptance test passed.

1.3.4 Installation Instructions

- Install Docker on your computer.
- Clone repository
- Update nginx config with your domain
- Update .sh file with your domain
- Setup your DB
 - o POSTGRES_DB=<your_db_name>
 - o POSTGRES_USER=<your_db_user>
 - o POSTGRES_PASSWORD=<your_db_password>
- Start the services
 - o docker-compose up -d
 - o docker-compose exec web python manage.py migrate
 - o docker-compose exec web python manage.py createsuperuser

1.3.5 User Manual


Navigate to erayswe573.com.tr

User can see posts without details.

Users can create account via register button and can login with login button.

Welcome to What Is This

Share and discover interesting things with our community



p1
this is first post

Material: wood

Size:

Shape: none


Text & Language: None

Found Location: None

Color: none

Tags: [Wood](#)

Posted by eray18



wood box with mechanical attachment
Hi, I found this object at my grandmothers home. It is like a pyramid and it also has a pendulum like movement what is this?

Material: wood

Size:

Shape: triangular


Text & Language: None

Found Location: Bursa-Nilüfer

Color: brown

Tags: [wood](#) [pendulum](#)

Posted by eray10



Is that a known card
I found this card in my sons bag. it seems really cool to me. Can you help me specify this card

Material: paper

Size:

Shape: rectangular

Text & Language: None

Found Location: Ankara/yenimahalle

Color: multicolor

Tags: [card game](#)

Posted by eray9

In order to crete an accout click on register & fill resigter form.

Register

Username: Required.
150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email:

First name:

Last name:

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation:
Enter the same password as before, for verification.

[Register](#)

Already have an account? [Login here.](#)

Once register form submitted you will be directed to login page. If user already has an account, user can click on login in landing page to navigate same login page.

Login

Username:

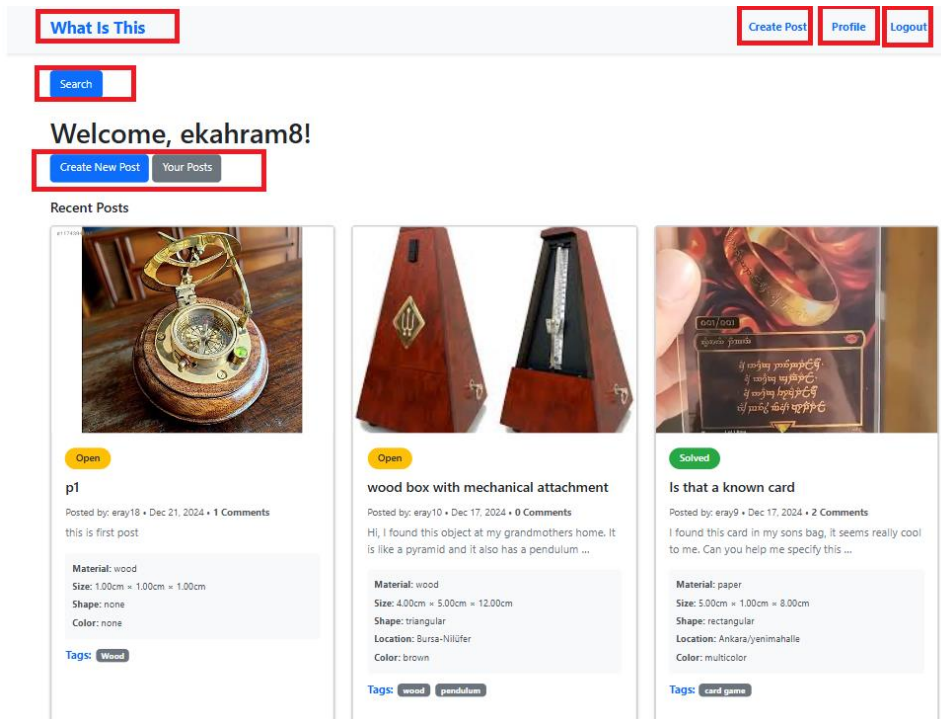
Password:

[Login](#)

Don't have an account? [Register here.](#)

Once logged in, user can see home page with create post, your posts, search, profile, logout and what is this buttons.

What is this navigates user to home page from anywhere.



For post creation click on create post or create new post. Name,descriptioni, image & tags are mandator, this page will notify user if form screation is failed. Success redirects user tu home page.

Create a New Post

Object Name*

Description*

Image*

Dotya Sep

Dotya seçilmedi

Object Dimensions

Length Width Height

Material

Shape

Text and Language

Found Location

Color


Tags (Search and Select) *

Search for tags

Create Post

Cancel

User can see post details and join discussion about the post by clicking on a post. If User is the post owner, user can edit post & update post status.



wood box with mechanical attachment

Edit

Open

Description:
Hi, I found this object at my grandmothers home. It is like a pyramid and it also has a pendulum like movement what is this?

Material:
wood

Size:
Length: 4.00 cm, Width: 5.00 cm, Height: 12.00 cm

Shape:
triangular

Text & Language:
None

Found Location:
Bursa-Nilüfer

Color:
brown

Tags:
wood pendulum

Posted by eray10 on Dec 17, 2024


If User click edit button

What Is This
Create Post
Profile
Logout

Edit Post

Object Name*
wood box with mechanical attachment

Description*
Hi, I found this object at my grandmother's home. It is like a pyramid and it also has a pendulum like movement what is this?

Current Image:


Image*
Currently:
post_images/mefg.jpg

Donya Seç:
Donya seçilmedi

Object Dimensions
Length:
1 cm
Width:
1 cm
Height:
1 cm

Material:
Wood

Shape:
Triangular

Text and Language:

Found Location:
Bursa Nilüfer

Color:
Brown

Tags (Search and Select) *
Search for tags

Send
Publish

Save Changes
Cancel

User can add coments or reply comments in post detail page

Comments

Write your comment here...

Add Comment

ekahram8
Dec 15, 2024

It is not like anything I have seen. Do you know where it belong to ? Maybe it is used for a specific purpose.

Like 0
Dislike 0
Reply

User can update profile by clicking profile button . Use can navigate home page by clicking what is this.

What Is This
Create Post
Profile
Logout

eray10

No occupation set

No information provided yet.

Edit Profile

Occupation

About me

Profile picture*

Currently
[profile_pics/default.jpg](#)

Doşya Seç
Doşya seçilmedi

Update Profile

My Posts



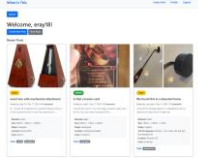


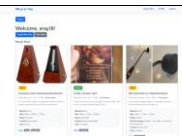



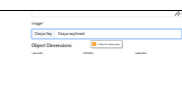
wood box with mechanical attachment




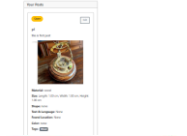
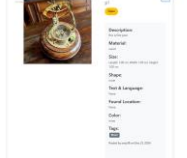

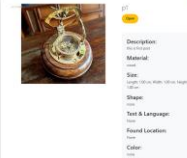
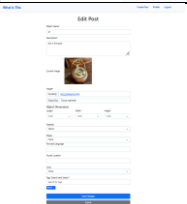
Hi, I found this object at my grandmothers home. It is like a pyramid and it also has a pendulum li...



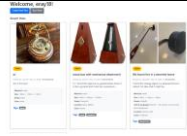
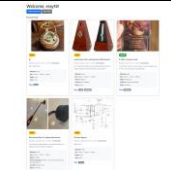
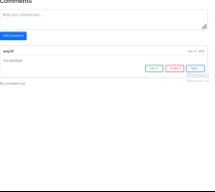
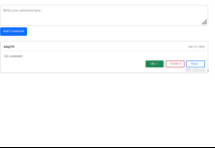
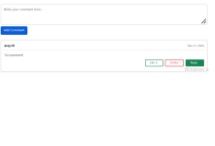
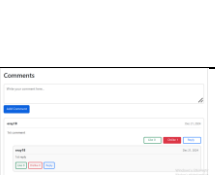

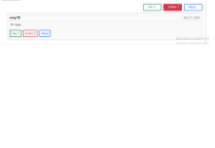
Posted on: December 17, 2024

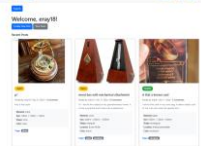

1.3.6 User test results

Precondition	Action	Expected result	Actual result	Evidence
User does not have an account	User navigates to eraywe573.com.tr	User can see posts in landing page	User can see posts in landing page MEET	
	User click on one of the posts	User can not see post detail	User can not see post detail MEET	

	User Clicks register text	User navigates to register page	User navigates to register page MEET	
	User fills the registration form & submit	User directed to login page	User directed to login page MEET	
	User fills the information in login form	User directed to the posts page	User directed to the posts page MEET	
User Logged in				
	User Click on profile	User navigated to profile page	User navigated to profile page MEET	
	User updates profile form & submit	Submission reloads profile page with updates	Submission reloads profile page with updates MEET	
	User Clicks what is this	User navigates to home page	User navigates to home page MEET	
	User Clicks Create post	User navigates to post creation page	User navigates to post creation page MEET	
	User submit form without object name	User notified name is mandatory	User notified name is mandatory MEET	
	User submit form with name, without description	User notified description mandatory	User notified description mandatory MEET	
	User submit form with name and	User notified image is mandatory	User notified image is mandatory	

	decription but without image		MEET	
	User submit form with mandatory fields except tag	User notified tags mandatory	User notified tags mandatory MEET	
	User type characters to tags field	Tag suggestions provided to user	Tag suggestions provided to user	
	User fills form & submit	User redirected to home page	User redirected to home page MEET	
	User Click your posts	User see own posts	User see own posts MEET	
	User Click on the post	User navigated to post details	User navigated to post details MEET	
	User click open	Post status changed to solved	Post status changed to solved MEET	
	User click on solved	Post status changed to open	Post status changed to open MEET	
	User Click on Edit	User navigated to post edit page	User navigated to post edit page MEET	

	User updates post and submit edit form	User navigated to home page	User navigated to home page MEET	
	User Click search	Search feature active	Search feature active MEET	
	User searches for open posts	Open posts filtered	Open posts filtered MEET	
	User clears search	All posts shown	All posts shown MEET	
	User Navigates a postdetail page and submit a comment	Comment displayed with voting buttons	Comment displayed with voting buttons	
	User like comment	Comment like increased by 1	Comment like increased by 1 MEET	
	User dislike same comment	Comment like decrease by 1, dislike increase by 1	Comment like decrease by 1, dislike increase by 1 MEET	
	User reply Comment	Reply displayed with indentation with voting and reply buttons	Reply displayed with indentation with voting and reply buttons MEET	
	User like reply	Reply like increased by 1	Reply like increased by 1 MEET	
	User dislikes reply	Reply like decreased by 1	Reply like decreased by 1	

		, dislike decreased by 1	, dislike decreased by 1 MEET	
	User click what is this in post detail page	User navigated to home page	User navigated to home page MEET	
Log out	User Click logout in home page	User navigated to landing page	User navigated to landing page	

1.3.7 User Credentials

User Name	Password
ekahram8	swesweswe
eray10	swesweswe
eray11	swesweswe