

Dutluk: What everything once was!

SWE 573 Software Development Practice

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Project Name: Dutluk

Git tag version:v0.9-latest

Deployment URI: <http://18.184.247.135:3000>

Github repo: <https://github.com/hdenizdogan/SWE-573-Spring-2023>

HONOR CODE

Related to the submission of all the project deliverables for the Swe573 2022 Fall semester project reported in this report, I declare that:

- I am a student in the Software Engineering MS program at Bogazici University and am registered for Swe573 course during the Spring 2023 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.

Hasan Deniz Doğan

Content:

1. Overview
2. Software Requirements Specification
3. Design (Mockup&Actual)
4. Status of your project: the status of each requirement (completed, not completed where completed means it is documented, tested and deployed)
5. System manual - what are the requirements to run this system and installation instructions (docker)
6. User manual - A description of how to use your system
7. Test results (unit & user)

1-Overview:

The software is a web application that the users can share their memories with in relation to the single or multiple locations that it had happened and the date(s) of when it happened. The users first register with their email,username and password.They can login with either their email or username as an identifier and their password. They can logout as well by clicking the “logout” button. When they have successfully logged in, the users are redirected to the “all stories" page which they can browse through. The users can see the title,content, label(s), location(s), date(s), season and decade of the story. The users can also write a comment. The story and the comments can be liked/disliked with a button.The users can read other users’ stories and follow/unfollow the users through their profile page. When users with stories have been followed, the stories of them can be found in “story feed”. The users can add stories with the parameters title,content, label(s), location(s), date(s), season and decade. The users provide the location by clicking on the map. When they have successfully created the story, they can click on “my stories” to see the stories that the user has created and can delete them if they wish so.The users can search stories by title,label(s), location(s) with a radius,

date(s)(absolute,interval for both date and year only), season and decade(1940s-2020s) of the story.

-Deployment:

I have used AWS EC2 service to deploy my project. The project is also composed of 3 docker images and runs on a single container. The .env file example is as follows:

```
POSTGRES_USER=***
POSTGRES_PASSWORD=***
POSTGRES_DB=***
DUTLUK_DB_URL=***
DB_USERNAME=***
DB_PASSWORD=***
REACT_APP_BACKEND_URL=***
REACT_APP_FRONTEND_URL=***
JWT_SECRET_KEY=***
REACT_APP_GOOGLE_MAPS_API_KEY=***
```

Use “localhost” for running the container in Windows and use the public IP value for the URL parameters if another OS is going to be used. Make sure the ports 3000,8080 and 5432 are reachable. Other than that the other parameters are straightforward and will be provided separately.

2- Software Requirements Specification

Requirements:

System

R1. The software shall be a web application.**(COMPLETED)**

R2. Users have to log in in order to see the content of the software.**(COMPLETED)**

Signup

R3. Users shall be able to sign up with their email and their password.**(COMPLETED)**

R4. The username shall be created after registration.**(COMPLETED)**

R5. The username shall be unique.**(COMPLETED)**

R6. When the user registers, they will be redirected to the home page.**(COMPLETED)**

Login

R7. Users shall be able to log in.**(COMPLETED)**

R8. Users shall be able to log out.**(COMPLETED)**

R9. If a user enters the wrong email or password, "incorrect password" error shall be thrown.**(COMPLETED)**

R10. If a user forgets their password, they can click "forget your password" to get their password to their email.**(NOT COMPLETED)**

R11. When "forget your password" is clicked, an email will be sent that contains instructions.**(NOT COMPLETED)**

R12. The user shall be able to change their password with email verification and typing of their new password twice.**(NOT COMPLETED)**

Home Page

R13. When the user clicks on his photo on the home page, the user will be directed to their profile page.**(COMPLETED)**

R14. The home page shall show the recent 4 stories created.**(COMPLETED)**

R15. When the user clicks one of the stories, they will be redirected to that story.**(COMPLETED)**

Enter Story

R16. Users shall be able to save their stories of a location that they have.**(COMPLETED)**

R17. Users shall be able to publish their stories of a location that they have.**(COMPLETED)**

R18. All story posts shall contain a username, title, content, location, and date information.**(COMPLETED)**

R19. Users shall be able to add photos to their shared stories.**(COMPLETED)**

R20. Users shall be able to add labels to their shared stories.**(COMPLETED)**

R21. Users shall enter the location(up to 2) of the story that they have shared.**(COMPLETED)**

R22. Users shall enter the date(single,start/end date or decade) of the story that they have shared.**(COMPLETED)**

Story

R23. Users shall be able to like other users' stories.**(COMPLETED)**

R24. Users shall be able to comment on shared stories of other users.**(COMPLETED)**

R25. Users shall be able to like the stories.**(COMPLETED)**

Search

R26. Users shall be able to search with title, username, content, location and date parameters.**(COMPLETED)**

R27. The software shall show the number of search results that is shown to the user.**(COMPLETED)**

Profile Page

R28. The users shall be able to upload their profile picture.**(COMPLETED)**

R29. The users shall be able to add info on their profile.**(COMPLETED)**

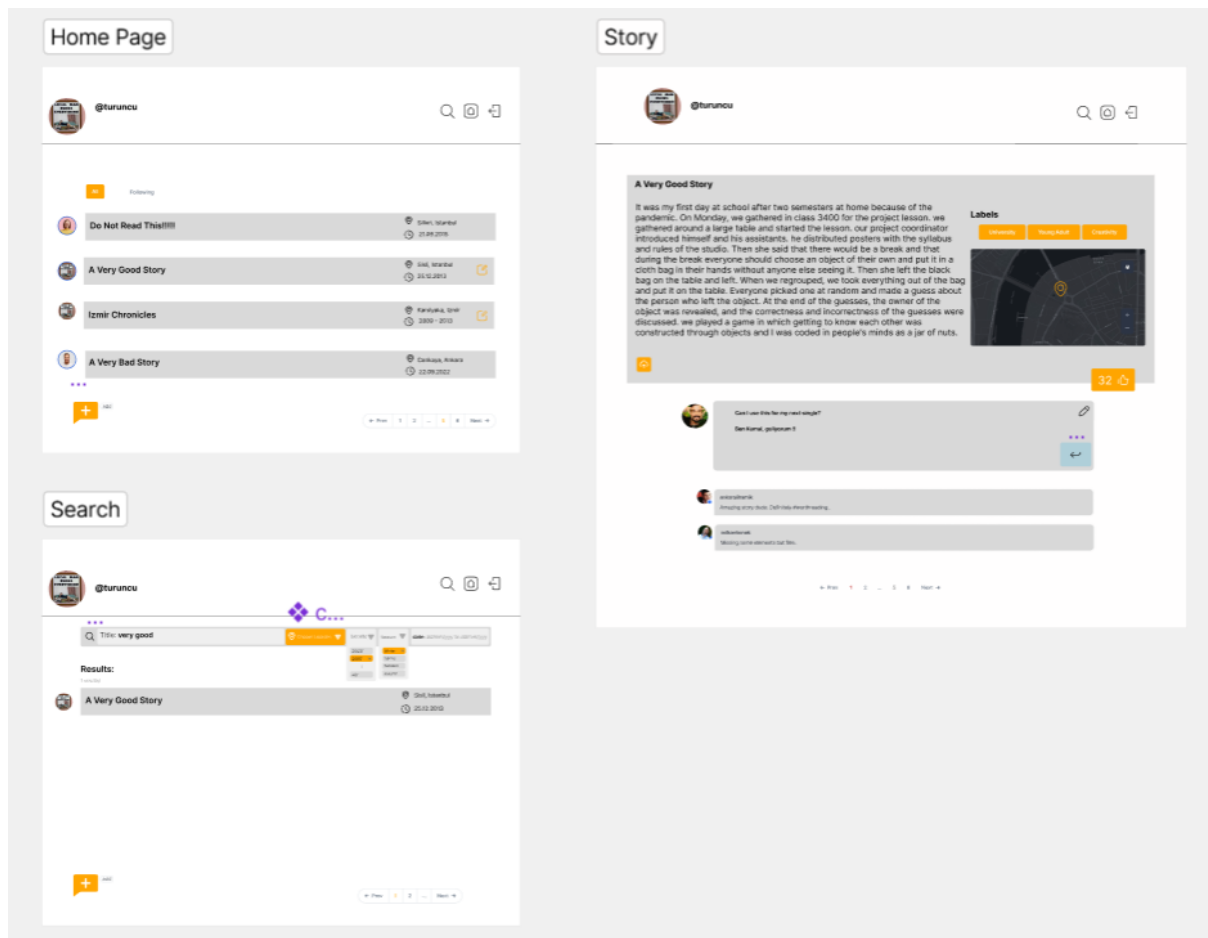
R30. The user shall be able to follow other users.**(COMPLETED)**

R31. The user shall be able to unfollow the users they have followed.**(COMPLETED)**

Edit Profile

R32. The user shall be able to change their password when they click on "Reset Password".**(NOT COMPLETED)**

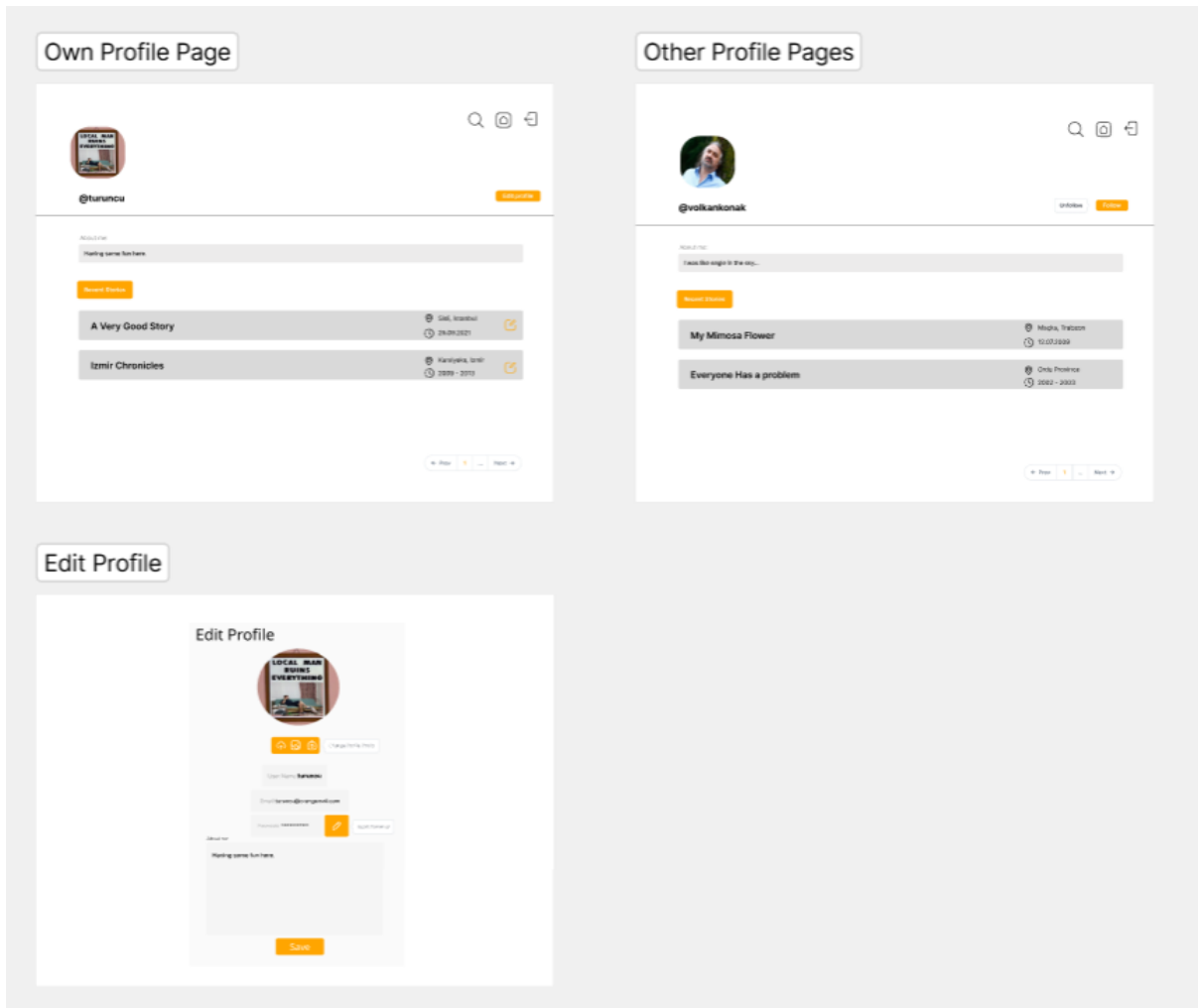
Design(Mockup):



Adding Story

The screenshot displays the @stunatics website. At the top left is a circular profile picture of a person. Next to it is the username '@stunatics'. On the right is a circular icon with a plus sign. Below the header, there's a navigation bar with 'Daily', 'Monthly', 'Decade', and 'Season'. The 'Monthly' view is active, showing a calendar for August and September. The calendar for August shows dates from 1 to 31, with the 1st, 8th, 15th, 22nd, and 29th highlighted. The calendar for September shows dates from 1 to 30, with the 1st, 8th, 15th, 22nd, and 29th highlighted. Below the calendar, there's a section titled 'Add/Track & View Daily Story'. Under this section, there's a sub-header 'Add stories to your story' and a list of stories: 'University', 'Young Adult', and 'Creativity'. Below the list, there's a section titled 'Stories' with a list of stories: 'University', 'Young Adult', and 'Creativity'. Below the stories, there's a map showing a location in a city, with a red pin indicating the current location. The map is a stylized, grayscale map of a city area.

❖ Adding Sory:decade choosing



Design(Actual):

-Home Page:



-Register:

Dutlukapp.

Home

Login

Register

Register

Email:

Username:

Password:

Retype Password:

Register

-Login:

Dutlukapp.

Home

Login

Register

Log In

Username or Email:

Password:

Log in

-All Stories:

All Stories

group study adventure

Likes: 1

Labels: boun, library

Written by: [turuncu](#)

Start Date: 01/10/2022

End Date: 26/05/2023

Published at: 27/5/2023 0:43

Season:

Locations:

- Rumeli Hisarı, Hisar Üstü Nispetiye Cd No:5, 34470 Sarıyer/İstanbul, Türkiye

-My Profile:

Username: turuncu2

Biography:



Photo:

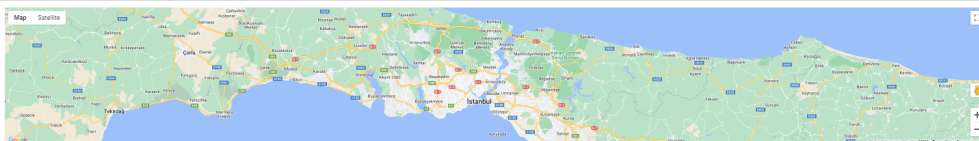
Choose File

No file chosen

Biography:

[Edit Biography](#)

-Add Story:



Title:

Labels: (comma separated)

Test:

Normal

Start Co

1

End Of

Options

1

Season

Decade

ADD

-My Stories:

My Stories

[my voyage through everywhere](#)

Likes: 0

Labels: boun, metrobus, tiring

Written by: [turuncu2](#)

Start Date: 25/05/2023

End Date: 25/05/2023

Published at: 27/5/2023 12:26

Season: Spring

Locations:

- Çengelköy, Albay Hüsametlin Ertürk Sk. No:7, 34680 Üsküdar/İstanbul, Türkiye
- Rumeli Hisarı, Kare Blok - Postane (kare Blok Girişi), 34470 Sarıyer/İstanbul, Türkiye
- Fulya, Ortaklar Cd. No:4, 34394 Şişli/İstanbul, Türkiye

Delete

-Other User Profile:

Dutlukapp.

Home

Logout

My Profile

Add Story

Story Feed

My Stories

All Stories

Search



Photo:

Username: turuncu

Biography: I like cats a lot

Follow

-Story Feed:

Story Feed

[group study adventure](#)

Likes: 2

Labels: boun, library

Written by: [turuncu](#)

Start Date: 01/10/2022

End Date: 26/05/2023

Published at: 27/5/2023 0:43

Season:

Locations:

- Rumeli Hisarı, Hisar Üstü Nispetiye Cd No:5, 34470 Sarıyer/İstanbul, Türkiye

-Search:

Story Search

Search Query:

Radius (in km):

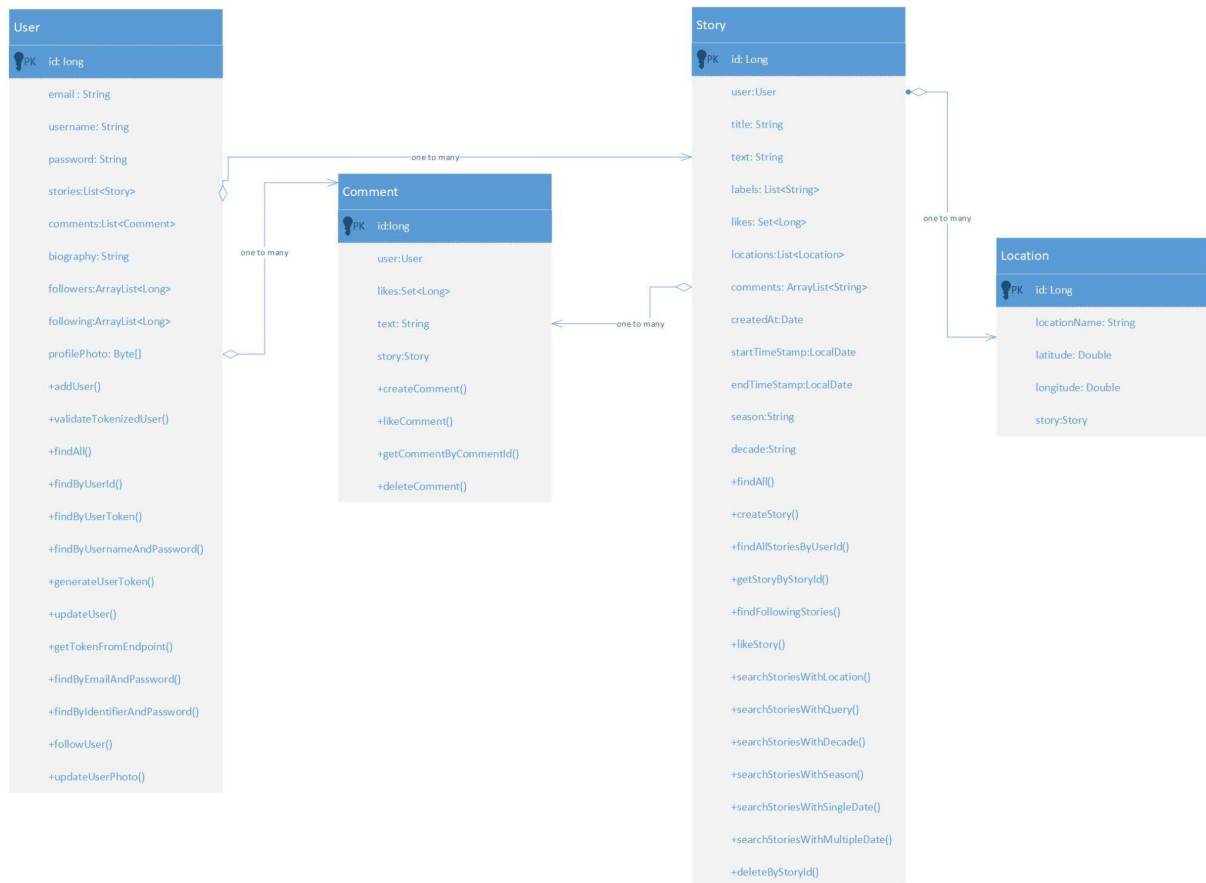
Date Type:

Season:

Decade:



UML:



Unit Tests:

✓	UserServiceTest (com.SWE573.dutluk_backend.service)	1 sec 660 ms
✓	testFindByUsernameAndPassword_userNotFound()	1 sec 393 ms
✓	testAddUser()	13 ms
✓	testFindAll()	11 ms
✓	testFindByUsernameAndPassword_validCredentials()	6 ms
✓	testFindByUserId_existingId()	9 ms
✓	testFindByUsernameAndPassword_invalidPassword()	9 ms
✓	testGenerateUserToken()	13 ms
✓	testValidateTokenizedUser()	196 ms
✓	testFindByUserId_nonexistentId()	5 ms
✓	testFindByUserToken()	5 ms

✓ StoryServiceTest (com.SWE573.dutluk_backend.service)	1 sec 164 ms
✓ testSearchStoriesWithMultipleDate()	1 sec 120 ms
✓ testCreateStory()	11 ms
✓ testSearchStoriesWithSingleDate()	2 ms
✓ testSearchStoriesWithQuery()	5 ms
✓ testSearchStoriesWithLocation()	3 ms
✓ testFindFollowingStories()	4 ms
✓ testLikeStory()	6 ms
✓ testSearchStoriesWithDecade()	3 ms
✓ testGetStoryByStoryId()	4 ms
✓ testSearchStoriesWithSeason()	4 ms
✓ testFindAllStoriesByUserId()	2 ms
✓ CommentServiceTest (com.SWE573.dutluk_backend.servic	1 sec 147 ms
✓ testLikeComment_NonExistingCommentId()	1 sec 131 ms
✓ testLikeComment_ExistingCommentId()	10 ms
✓ testCreateComment()	6 ms