

1 Feature Development

The feature is not developed fully, and is currently missing a lot of the core functionality. That being said, our team did not require the completion of all features for S3, as we anticipated working on it until completion for M3 instead. Hence, there is only 1 screenshot of the front-end, as I paced myself and focused on other university work whilst working on this.

Currently, it contains a dynamically-resizing display of all of the given tournament's basic information and data. It is missing the sign-up buttons, organiser display, list of participants (the backend for which is complete though), and the bracket view itself.

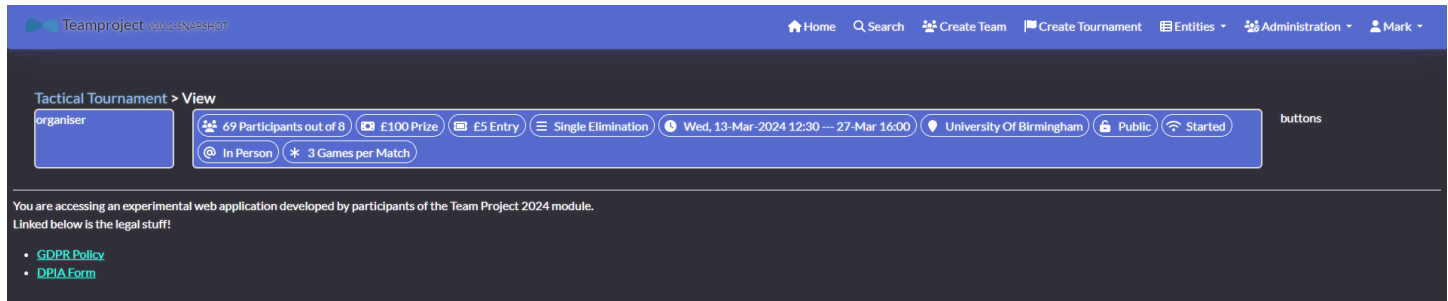


Figure 1: Incomplete frontend of Tournament View Page

The backend is only missing internal functionality that generates new matches whenever participants sign up, and an API to sign up to a given tournament. The API to retrieve tournament data and to retrieve participant information is complete and functional.

1.1 Commits

Since my usual git username on my local machine is different to my GitLab account information, I cannot query for commits from the repository commit page. Instead, I ran the `git log` command to list all commits that I have authored on the main branch and exported the results into [this text file](#).

In case the link above does not work, here are the commits in plaintext:

```
96774df update time sheet
fe4cf5e add s3 script and new timesheet
5fa0989 update time sheet
612751e fix merge conflicts
30ad30f fix merge conflicts
834f898 update timesheet
98ca4ff update tournament data display to use flex to work nicer on mobile screens
475b73e add pipes for transforming data labels in tournament ui
a1723e6 refactor authority pipe name
1c537c2 Merge branch 'main' of https://git.cs.bham.ac.uk/team-projects-2023-24/team02
38335cf update timesheets
b37a462 start on tournament view ui and get data labels to show basic tournament information
9652bd8 create global utilities styling file for util functions and refactor some tournament sty
55716b8 add basic tournament view page routing and data fetching
bbe6fd3 Merge branch 'main' of https://git.cs.bham.ac.uk/team-projects-2023-24/team02
15f436c update time sheet again
6941d89 (tag: 0.2.2, tag: 0.2.1) Merge branch 'main' of https://git.cs.bham.ac.uk/team-projects-
7275175 update app routing formatting
fbf9f9e fix ui after latest backend changes
0b46220 Merge branch 'main' into styling-testing
2f04de5 update time sheet
567f819 add m2 submission document
d85feea update dpia form
07306fc make team creation frontend functional and talk to backend
8764b59 implement simple non-functional team creation ui template code
```

a24b401 Merge branch 'main' into styling-testing
7316ed7 update time sheets
fb3c2ea setup angular material library
9c15e7c format home page
c2d0496 remove tournament/team creation from non-users
5959233 remove entity access privileges from normal users
829c46d update footer to include legal links
46de8f8 Merge branch 'main' into styling-testing
910aec9 update gpdr for with rhys' changes
b3ffbc2 add latest meeting log and dpia form pdf
61e7aca add routing to pages, and create search, team create and tournament create pages
5be8a35 add search, team and tournament creation buttons to navbar
7677ca9 Merge branch 'main' into styling-testing
9ecfc26 add taziba's ranking justification
4536eb5 re-organise meeting logs
ffbf1b7 latest meeting files
75aee0a switch theme to vapor and write scss overrides for custom theme
3490582 Merge branch 'main' into styling-testing
7975296 regenerate from jdl with jhipster
6c2384b Merge branch 'main' into rhys-dtos
49b1368 final update to jdl for formatting
a15635b move project jdl file to s2 dir
12a2ab5 bring project jdl up to date with decided logical changes over other branches
a1b4dd5 make s2 submission
13e0dc2 update my jdl to remove round robin
c4d121f finalise jdl for class diagram and s2 submission
1c9c9f4 add latest meeting log
9391a11 update time sheet
d53412b update time sheet
da893ac update tech report
795adc3 Merge branch 'main' of <https://git.cs.bham.ac.uk/team-projects-2023-24/team02>
8df7760 update package files since i installed jhipster
4145d59 write jdl for tournament view page
790ad80 rename sam's tech report for filetype
20d2efc update some background colors to match mockup
1993d87 add tech report on angular
7b195a6 add new time sheets
9bf6d30 add 3rd timesheet
70529f5 update submission with talha's work
6b76207 rename submission file
0c5e6d9 create M1 submission
7aa8daf add kanban images and rename samuel's mockups
6dc85b5 update time sheet
7ae4a19 add ranking justification
72da73f add mockup exports
740f2c6 add ranking file for samuel
0ba4c60 add issue template for feature
c59214c add m1 persona and new time sheet
fa18d40 update s1 report to include the timesheet
1463760 add S1 submission documentation
7e9522f update timesheet
3d9b6d7 Merge branch 'main' of [git.cs.bham.ac.uk:team-projects-2023-24/team02](https://git.cs.bham.ac.uk/team-projects-2023-24/team02)
7fde37f update timesheet
ed43157 update readme with noop to trigger tagged release
c4fd569 update persona occupation
28f9ce8 add user persona

```
126ac14 remove gitkeep from timesheets directory
77b9722 add mark's time sheet
2eece0e add time-sheets folder
cdd7216 add first meeting log
c9d5492 add myself to readme
```

2 Demonstration Preparation

For both the feature and accessibility demo preparation, we assume the app is in its complete state.

2.1 Feature Demo

2.1.1 Slides

Slide 1 would contain an image of the tournament view page itself.

Slide 2 would contain a video of a user signing themselves up to a tournament, and the page updating in real time.

2.1.2 Script

Introduction

I was responsible for implementing the tournament view page - the specific page responsible for displaying all of the data and information about a given tournament, alongside its current live bracket status. The page also allows registered users to sign up their teams to it.

Frontend

The frontend is responsive to all screen dimensions. The brackets for the on-going matches are generated dynamically from the existing match data for a given tournament, and are hence reactive to realtime updates. Although expensive to compute, it is always accurate.

Backend

Due to the nature of the feature, the backend mostly just focuses on data retrieval. That being said, when signing people up, it creates new participation data linked to the tournament. If the tournament hasn't begun, it also creates the necessary match objects for the first brackets of matches, in order for the user interface to correctly display them. The rest of the match generation and updating of match data is handled by Rhys' match pages.

2.2 Accessibility Demo

2.2.1 Slides

Slide 1 would contain various images of the page looking usable at different and constrained browser dimensions (phone screens, small tablets, etc).

Slide 2 would contain a video of a user navigating the entire page with just keyboard input (TAB, arrow keys, etc).

2.2.2 Script

To make the page more accessible, 2 main accessibility features had focus: usability on small screens and keyboard navigation. Various small screen resolutions were tested throughout the development process and all UI components are reactive and flow neatly on small screens. Additionally, every input element is reachable via TAB-navigation and usage of arrow keys. This helps to ensure players can view tournaments on the go, and keyboard-only users can still use the page. Not to mention, non-computer-users can remap their device inputs into keyboard inputs, allowing navigation from non-standard peripherals.

3 Time Sheets

Team sheet Number/ID:

Elbre05

Team member name:

Mark Elbre

Team representative (secra

Ogieltaziba

Team meeting sign off date:

2024-02-27

Date from:

2024-02-21

Date until:

2024-02-27

Task	Date	Start time	End time	Total Hours
Team Meeting	2024-02-20	2:00 PM	3:30 PM	1:30
Writing JDL to specify database entities	2024-02-22	3:00 PM	5:00 PM	2:00
Combining all JDL in prep for M2	2024-02-23	12:00 PM	3:00 PM	3:00
Finalising edits to Angular Tech report	2024-02-27	11:00 AM	1:30 PM	2:30
				0:00
				0:00
				0:00

Total Hours

9:00

Figure 2: Time Sheet 5 (complete from last time)

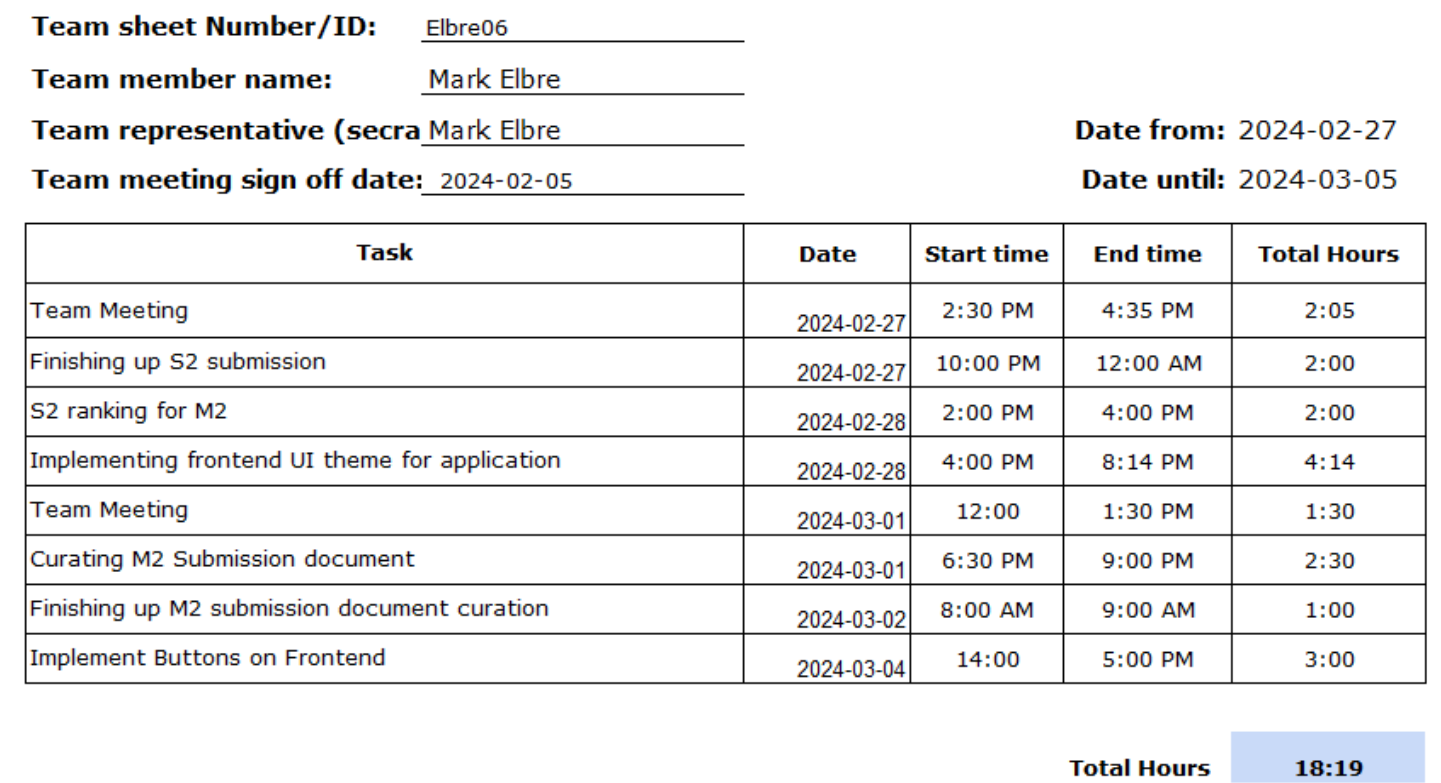


Figure 3: Time Sheet 6

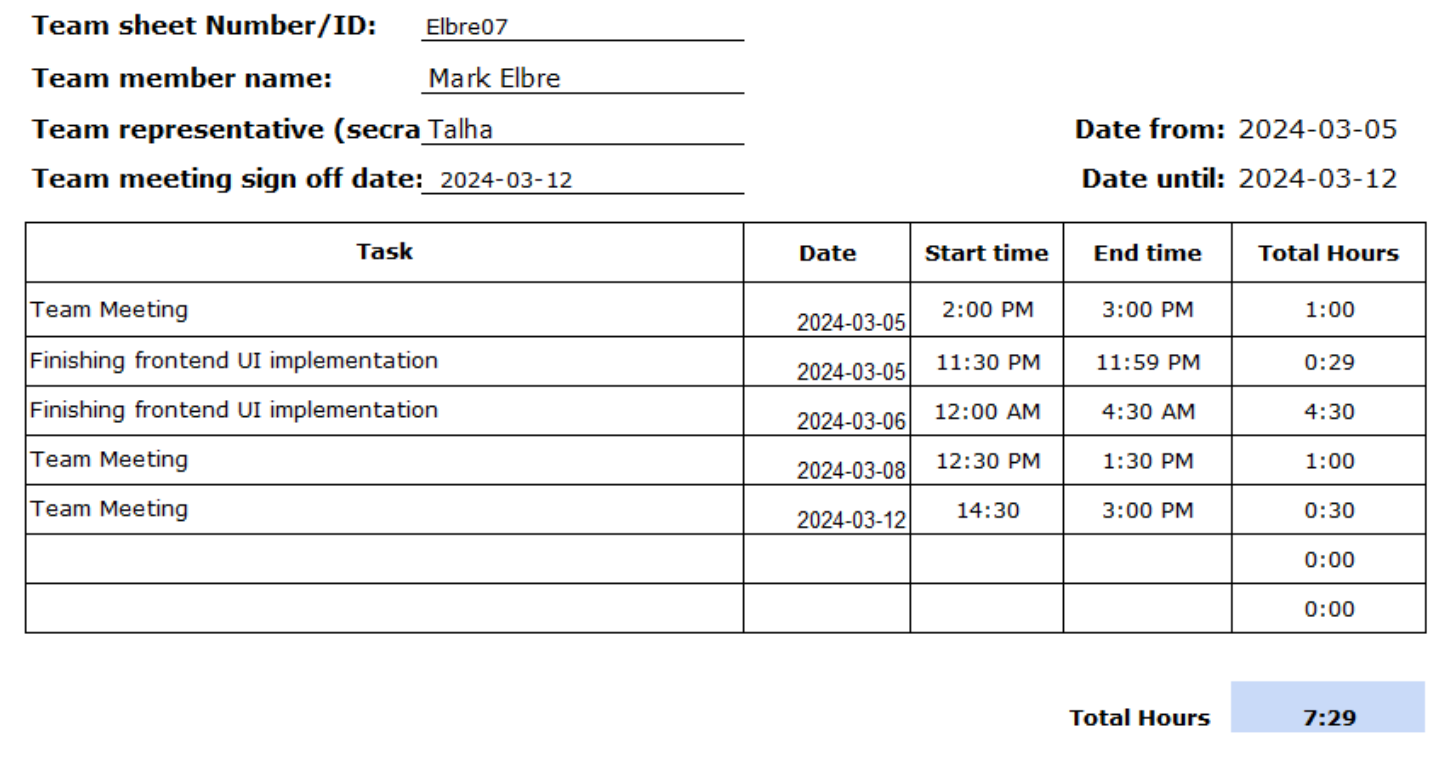


Figure 4: Time Sheet 7 (frontend UI implementation being the frontend for the Team Create MVP feature)

Team sheet Number/ID:

Elbre08

Team member name:

Mark Elbre

Team representative (secra

Haiwei

Team meeting sign off date:

2024-03-19

Date from:

2024-03-12

Date until:

2024-03-19

Task	Date	Start time	End time	Total Hours
Begin tournament view page UI creation	2024-03-14	3:00 PM	7:00 PM	4:00
Team Meeting	2024-03-15	12:30 PM	1:30 PM	1:00
More UI work on Tournament Page (finished data displays)	2024-03-15	2:00 PM	4:45 PM	2:45
More UI work on Tournament Page	2024-03-18	5:05 PM	6:25 PM	1:20
				0:00
				0:00
				0:00

Total Hours

9:05

Figure 5: Time Sheet 8

Team sheet Number/ID:

Elbre09

Team member name:

Mark Elbre

Team representative (secra

Rhys Harvey

Team meeting sign off date:

2024-03-26

Date from:

2024-03-19

Date until:

2024-03-26

Task	Date	Start time	End time	Total Hours
Team Meeting	2024-03-19	2:15 PM	3:30 PM	1:15
				0:00
				0:00
				0:00
				0:00
				0:00
				0:00

Total Hours

1:15

Figure 6: Time Sheet 9 (ongoing and incomplete)