

# Group Software Engineering Project

ECM2434

---

## About

This document consists of idea's and content discussed during meetings

## Links

GitHub: <https://github.com/jtw210/ECM2434>

Trello: <https://trello.com/b/aqAs8N9m/group-w-kanban>

Design mockups: <https://drive.google.com/drive/folders/1YsQau2rlofyneHZMQmklwl2kwiDzGGaY>

## Technologies

## User Stories

### User Profiles

Students

StackHolders (Academics)

Student Support Network (SSN)

Developers

### Ideas - Community

Community Activities

Sharing Notes & Resources

Study Networks & User Groups

Wellbeing Goals & Daily Learning Activities

Wellbeing Metrics

User Interactions; Other Students & Virtual Activities

Students; Virtual Challenges -> Achievements

Students Set Public Challenges

### Ideas - Gamification

[Virtual Awards](#)

[Student LeaderBoard](#)

[Students; Upvote/Approve Media and Resources](#)

[Staff; Distinguish University Approved Activities with Recognised Roles](#)

[Staff; Set Extra Curricular Learning challenges \(Related to Courses\)](#)

[Student; Record and Track Well-Being Indicator \(Mood/Study-Time\)](#)

[Wellbeing Metrics; Shared with Support Networks](#)

[Users; Live Reactions & Updates \(Streamed Events\)](#)

[Group Goals can be set; For Classes w/ Metrics](#)

## Technologies

- Front-end -> HTML, CSS, JS
- Back-end -> Django (Python)
- Login -> rely on SSO with exeter??

## User Profiles

### (1) Students

- Join module and course groups
- Set support network
- Post and answer questions.

### (2) StackHolders (Academics)

- Post questions to be solved.
- Create groups for modules and courses.
- Moderate groups and courses.
- Same privileges as Students Users.

### (3) Student Support Network (SSN)

- Can view linked Student wellbeing metric.

### (4) Developers

- Gods

## User Stories

### (1) Students

- As a student user I want to be able to login to the website, so that I can connect with peers and participate in online events.

- As a student user, I want to be able to track my academic progress and see how it compares to that of other students, so that I can focus my studies where needed.
- As a student user, I want to be able to track my well being through the website, so that I can better support my mental health and get help when needed.
- As a student I want to be able to share my notes with other students and view notes shared by other students to help with my studies.
- 

### **(2) StackHolders (Academics)**

- As a module leader (stakeholder), I want to be able to set and monitor quizzes for students taking the module I am teaching so that I can monitor my student's engagement and understanding of the material.

### **(3) Student Support Network (SSN)**

- As a member of the student support network, I want to be able to view students' wellbeing metrics with their permission, so that I can get help for them if needed.

## **Ideas - Community**

### **(1) Community Activities**

- Message Board. Stack overflow type.

### **(2) Sharing Notes & Resources**

- Post tags to signify notes, shared resources etc.
- Bookmarking of posts
- Ratings of Notes

### **(3) Study Networks & User Groups**

- Academics/staff can create groups (e.g. module/course groups)
- Tiered visibility -> not visible, visible can't post and can post

### **(4) Wellbeing Goals & Daily Learning Activities**

- Setting own goals to complete - streak?
- Sad to happy face question. :( :)

### **(5) Wellbeing Metrics**

- Quiz?????
- Logon page - how are you feeling etc.
- Graphs showing wellbeing metrics over time

### **(6) User Interactions; Other Students & Virtual Activities**

- Can be created by users

### **(7) Students; Virtual Challenges -> Achievements**

- Daily engagement

### **(8) Students Set Public Challenges (Bounties)**

- Set reward of points for questions being answered.
- Could get % of posted reward back for number of unique interactions

## **Ideas - Gamification**

### **(1) Virtual Awards**

- HQ trivia style quizzes - award if you win one.
- If the user X amount of upvotes they receive an award

#### **Implementation**

Backend -> boolean array for each award

### **(2) Student LeaderBoard**

- Ranking system
- Independent Leaderboards for different modules and groups

### **(3) Students; Upvote/Approve Media and Resources**

- A single post can only be upvoted once (per user)

### **(4) Staff; Distinguish University Approved Activities with Recognised Roles**

- Push notification to the person who approves the activity

### **(5) Staff; Set Extra Curricular Learning challenges (Related to Courses)**

- ...

### **(6) Student; Record and Track Well-Being Indicator (Mood/Study-Time)**

- ...

### **(7) Wellbeing Metrics; Shared with Support Networks**

- Points from completing assessments/daily quizzes
- More points for streaks of days(?)

### **(8) Users: Live Reactions & Updates (Streamed Events)**

- Reaction Buttons/Stickers

### **(9) Group Goals can be set; For Classes w/ Metrics**

- Progress Bar
- Set a goal for the number of quizzes completed? Reward tiers.

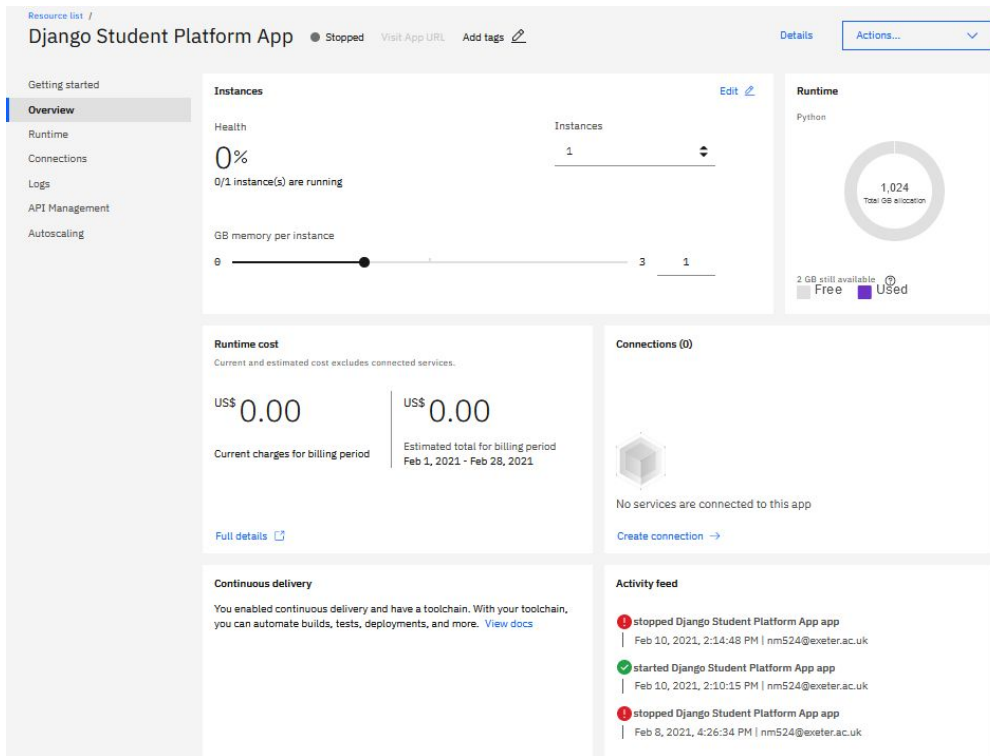
## **Platform Testing**

- IBM Cloud
- Python Django App

Github: [https://eu-gb.git.cloud.ibm.com/nm524/StudentPlatformApp-Group\\_W](https://eu-gb.git.cloud.ibm.com/nm524/StudentPlatformApp-Group_W)

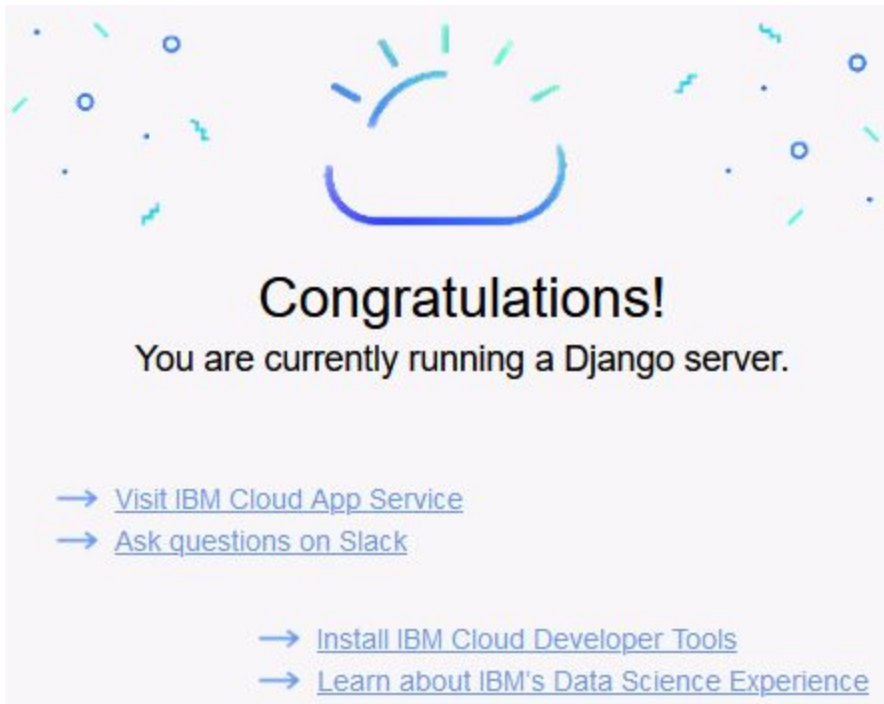
Control Panel:

[https://cloud.ibm.com/apps/0f745980-f1d4-4614-8a74-e247b8a95fcf?env\\_id=ibm%3Aapp%3Aeu-gb&panel=d=overview](https://cloud.ibm.com/apps/0f745980-f1d4-4614-8a74-e247b8a95fcf?env_id=ibm%3Aapp%3Aeu-gb&panel=d=overview)



## Test Run of the App platform

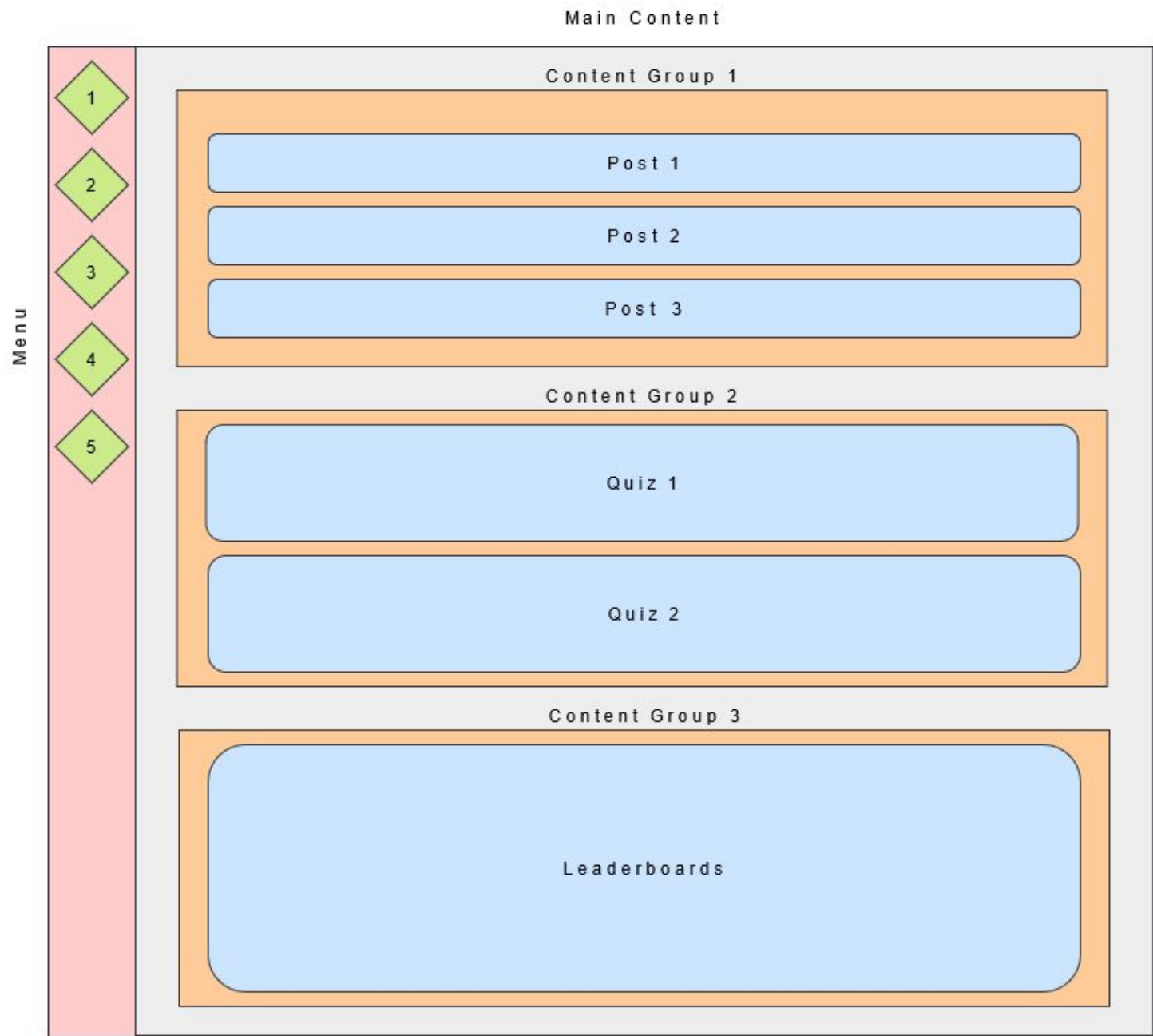
URL: <https://student-platform-app.eu-gb.cf.appdomain.cloud/>



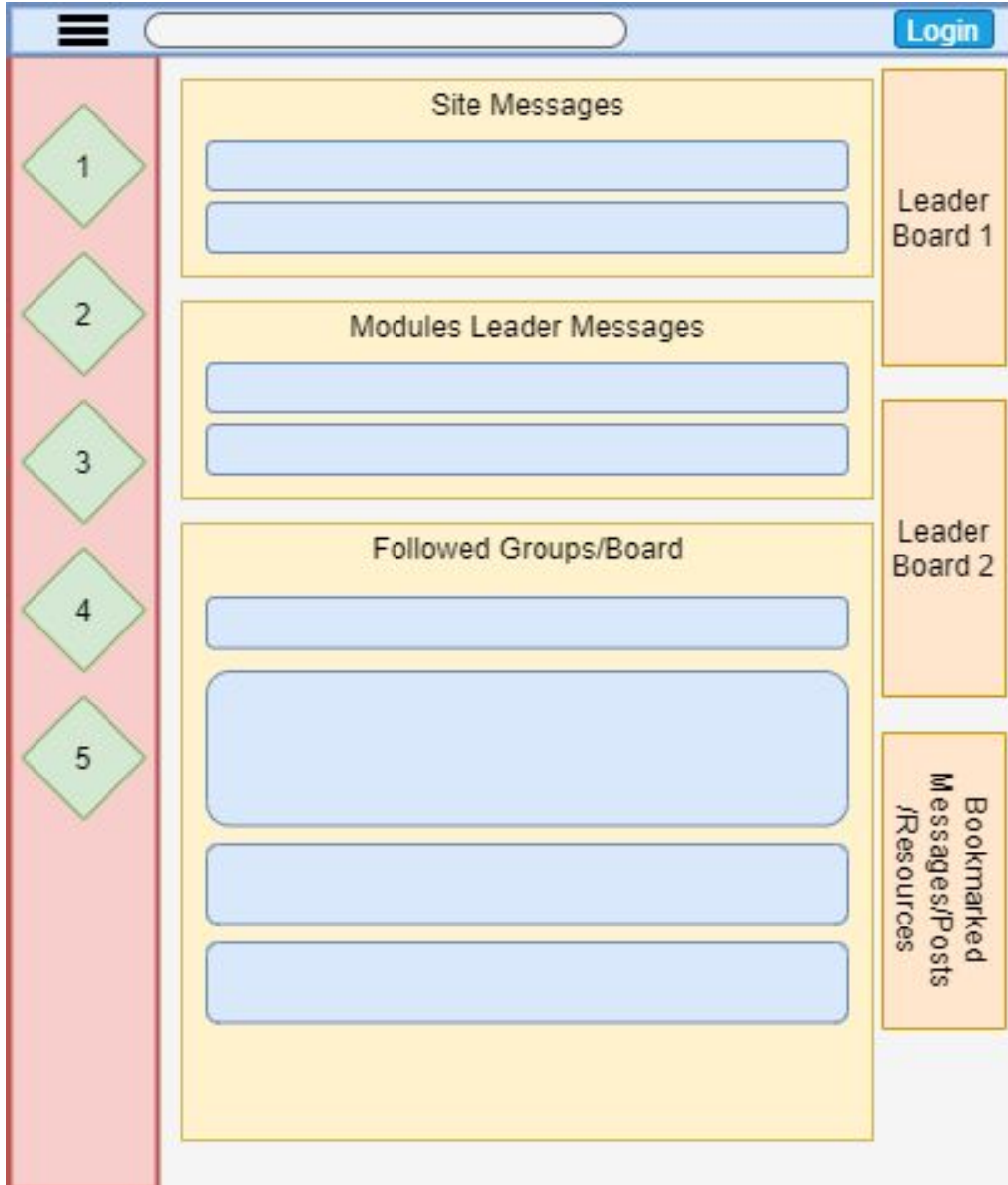
Successful creation of web App platform

## UI Design Drafts

Design 1



## Design 2

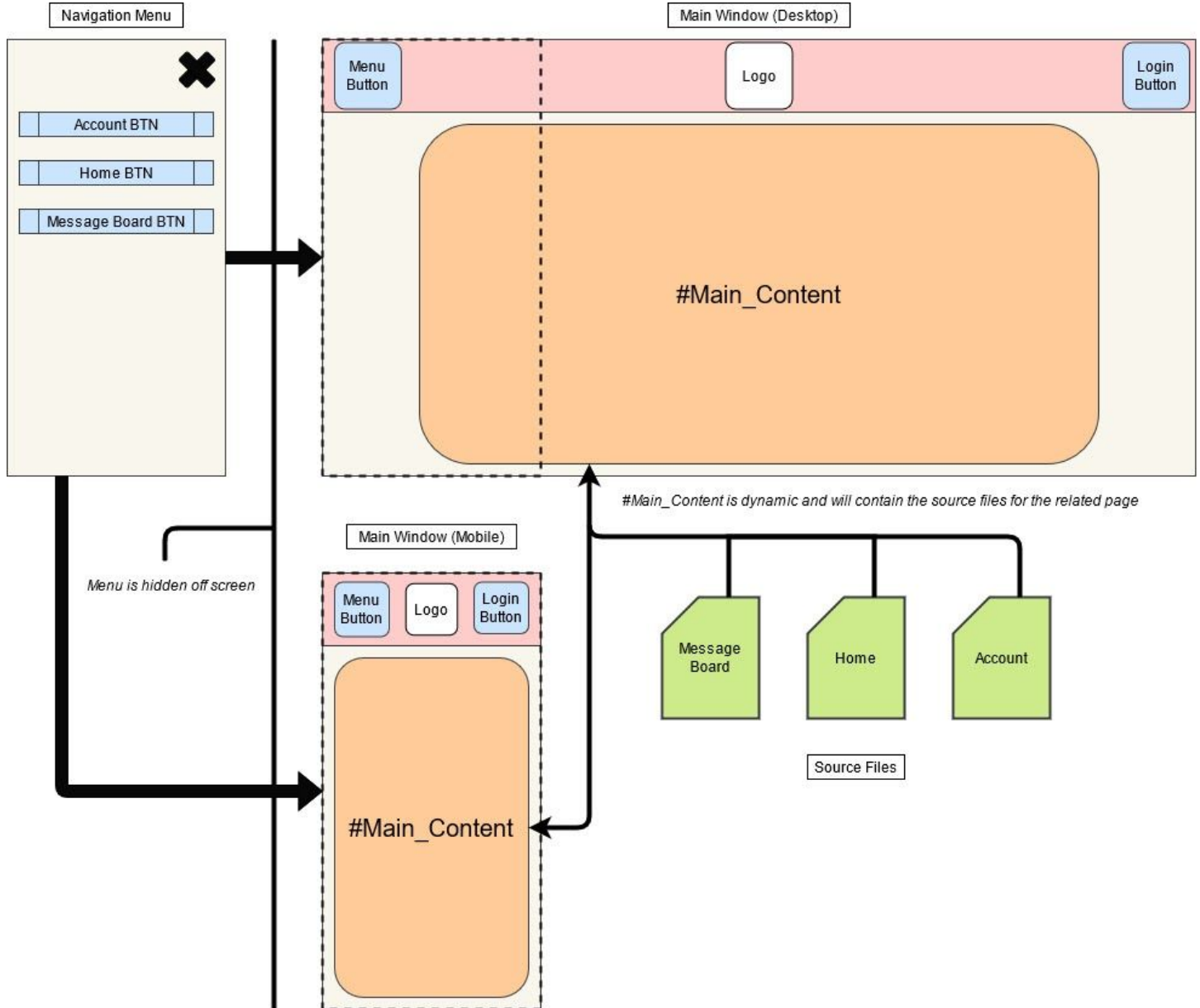


## Mock Designs (Adobe Xd)

<https://drive.google.com/drive/folders/1YsQau2rlofyneHZMQmklwl2kwiDzGGaY?usp=sharing>



## Functionality Design



## Example Terms and Conditions

# Terms and Conditions

Welcome to uni-board!

These terms and conditions outline the rules and regulations for the use of GroupW's Website, located at [www.uni-board.com](http://www.uni-board.com).

By accessing this website we assume you accept these terms and conditions. Do not continue to use uni-board if you do not agree to take all of the terms and conditions stated on this page.

The following terminology applies to these Terms and Conditions, Privacy Statement and Disclaimer Notice and all Agreements: "Client", "You" and "Your" refers to you, the person log on this website and compliant to the Company's terms and conditions. "The Company", "Ourselves", "We", "Our" and "Us", refers to our Company. "Party", "Parties", or "Us", refers to both the Client and ourselves. All terms refer to the offer, acceptance and consideration of payment necessary to undertake the process of our assistance to the Client in the most appropriate manner for the express purpose of meeting the Client's needs in respect of provision of the Company's stated services, in accordance with and subject to, prevailing law of Netherlands. Any use of the above terminology or other words in the singular, plural, capitalization and/or he/she or they, are taken as interchangeable and therefore as referring to same.

## Cookies

We employ the use of cookies. By accessing uni-board, you agreed to use cookies in agreement with the GroupW's Privacy Policy.

Most interactive websites use cookies to let us retrieve the user's details for each visit. Cookies are used by our website to enable the functionality of certain areas to make it easier for people visiting our website. Some of our affiliate/advertising partners may also use cookies.

## License

Unless otherwise stated, GroupW and/or its licensors own the intellectual property rights for all material on uni-board. All intellectual property rights are reserved. You may access this from uni-board for your own personal use subjected to restrictions set in these terms and conditions.

You must not:

- Republish material from uni-board
- Sell, rent or sub-license material from uni-board
- Reproduce, duplicate or copy material from uni-board

- Redistribute content from uni-board

This Agreement shall begin on the date hereof. Parts of this website offer an opportunity for users to post and exchange opinions and information in certain areas of the website. GroupW does not filter, edit, publish or review Comments prior to their presence on the website. Comments do not reflect the views and opinions of GroupW, its agents and/or affiliates. Comments reflect the views and opinions of the person who post their views and opinions. To the extent permitted by applicable laws, GroupW shall not be liable for the Comments or for any liability, damages or expenses caused and/or suffered as a result of any use of and/or posting of and/or appearance of the Comments on this website.

GroupW reserves the right to monitor all Comments and to remove any Comments which can be considered inappropriate, offensive or causes breach of these Terms and Conditions.

You warrant and represent that:

- You are entitled to post the Comments on our website and have all necessary licenses and consents to do so;
- The Comments do not invade any intellectual property right, including without limitation copyright, patent or trademark of any third party;
- The Comments do not contain any defamatory, libelous, offensive, indecent or otherwise unlawful material which is an invasion of privacy
- The Comments will not be used to solicit or promote business or custom or present commercial activities or unlawful activity.

You hereby grant GroupW a non-exclusive license to use, reproduce, edit and authorize others to use, reproduce and edit any of your Comments in any and all forms, formats or media.

## **Hyperlinking to our Content**

The following organizations may link to our Website without prior written approval:

- Government agencies;
- Search engines;
- News organizations;
- Online directory distributors may link to our Website in the same manner as they hyperlink to the Websites of other listed businesses; and
- System wide Accredited Businesses except soliciting non-profit organizations, charity shopping malls, and charity fundraising groups which may not hyperlink to our Web site.

These organizations may link to our home page, to publications or to other Website information so long as the link: (a) is not in any way deceptive; (b) does not falsely imply sponsorship, endorsement or approval of the linking party and its products and/or services; and (c) fits within the context of the linking party's site.

We may consider and approve other link requests from the following types of organizations:

- commonly-known consumer and/or business information sources;
- dot.com community sites;
- associations or other groups representing charities;
- online directory distributors;
- internet portals;
- accounting, law and consulting firms; and
- educational institutions and trade associations.

We will approve link requests from these organizations if we decide that: (a) the link would not make us look unfavorably to ourselves or to our accredited businesses; (b) the organization does not have any negative records with us; (c) the benefit to us from the visibility of the hyperlink compensates the absence of GroupW; and (d) the link is in the context of general resource information.

These organizations may link to our home page so long as the link: (a) is not in any way deceptive; (b) does not falsely imply sponsorship, endorsement or approval of the linking party and its products or services; and (c) fits within the context of the linking party's site.

If you are one of the organizations listed in paragraph 2 above and are interested in linking to our website, you must inform us by sending an e-mail to GroupW. Please include your name, your organization name, contact information as well as the URL of your site, a list of any URLs from which you intend to link to our Website, and a list of the URLs on our site to which you would like to link. Wait 2-3 weeks for a response.

Approved organizations may hyperlink to our Website as follows:

- By use of our corporate name; or
- By use of the uniform resource locator being linked to; or
- By use of any other description of our Website being linked to that makes sense within the context and format of content on the linking party's site.

No use of GroupW's logo or other artwork will be allowed for linking absent a trademark license agreement.

## **iFrames**

Without prior approval and written permission, you may not create frames around our Webpages that alter in any way the visual presentation or appearance of our Website.

## **Content Liability**

We shall not be held responsible for any content that appears on your Website. You agree to protect and defend us against all claims that is rising on your Website. No link(s) should appear on any Website that may be interpreted as libelous, obscene or criminal, or which infringes, otherwise violates, or advocates the infringement or other violation of, any third party rights.

## **Your Privacy**

Please read Privacy Policy

## **Reservation of Rights**

We reserve the right to request that you remove all links or any particular link to our Website. You approve to immediately remove all links to our Website upon request. We also reserve the right to amend these terms and conditions and it's linking policy at any time. By continuously linking to our Website, you agree to be bound to and follow these linking terms and conditions.

## **Removal of links from our website**

If you find any link on our Website that is offensive for any reason, you are free to contact and inform us any moment. We will consider requests to remove links but we are not obligated to or so or to respond to you directly.

We do not ensure that the information on this website is correct, we do not warrant its completeness or accuracy; nor do we promise to ensure that the website remains available or that the material on the website is kept up to date.

## **Disclaimer**

To the maximum extent permitted by applicable law, we exclude all representations, warranties and conditions relating to our website and the use of this website. Nothing in this disclaimer will:

- limit or exclude our or your liability for death or personal injury;
- limit or exclude our or your liability for fraud or fraudulent misrepresentation;
- limit any of our or your liabilities in any way that is not permitted under applicable law; or
- exclude any of our or your liabilities that may not be excluded under applicable law.

The limitations and prohibitions of liability set in this Section and elsewhere in this disclaimer: (a) are subject to the preceding paragraph; and (b) govern all liabilities arising under the disclaimer, including liabilities arising in contract, in tort and for breach of statutory duty.

As long as the website and the information and services on the website are provided free of charge, we will not be liable for any loss or damage of any nature.

## **Questions for Matthew -----**

- Mobile app? Or a website? - webapp using dynamic layout eg. bootstrap
- What kind of submission does he want, word document?

- For first submission, just something to show that we are working well as a group - trello board, early contributions to github, clear ideas/design/description for project can be represented however works best for our project.
- Would like to show a well-defined idea - early technical development could be a wireframe, database schema etc... depends on our product ideas.

Matthews hints

- A UI mock would be a good idea for first submission

## From client meeting 8/2/21

Students should be able to produce quizzes since not all lecturers will.

Needs some unique feature to encourage people to start using the app - otherwise engagement will be very low.

Could possibly be a mobile app.

Don't need to use IBM cloud

Keep an archive of trello boards (screenshots each time a change is made) for Matt to see.

For Thursday's submission: Trello board is most important; Also submit this document (maybe reorganized slightly - we could put meeting minutes in a dedicated document?).

Matt Interview Points:

- How to build quizzes
- Capture the flag like game

## Feedback Meeting 15/2/21

\* Testability - 6/10

-> Success Criteria : User Base and how it is the website part of student life.

\*Maintainability - 7.5/10

-> good structure, meticulous documentation

\*Integrity - 6/10

-> good plan, need more robust architecture

\* External Integration - 5.5/10

-> why aren't students engaged? why no motivation etc. needs to be articulated. Research, explore ideas

-> Do surveys

\* Ethics -

-> GDPR, data protection, think about what information is being captured, risk register?

-> T&Cs defined

\* Kanban -

-> Need to get going with the project

-> Show that it's active and that we're using the Kanban methodology

-> Tagging of tasks on the board

-> Workload estimation

-> more detail needed

\* Process - 6/10