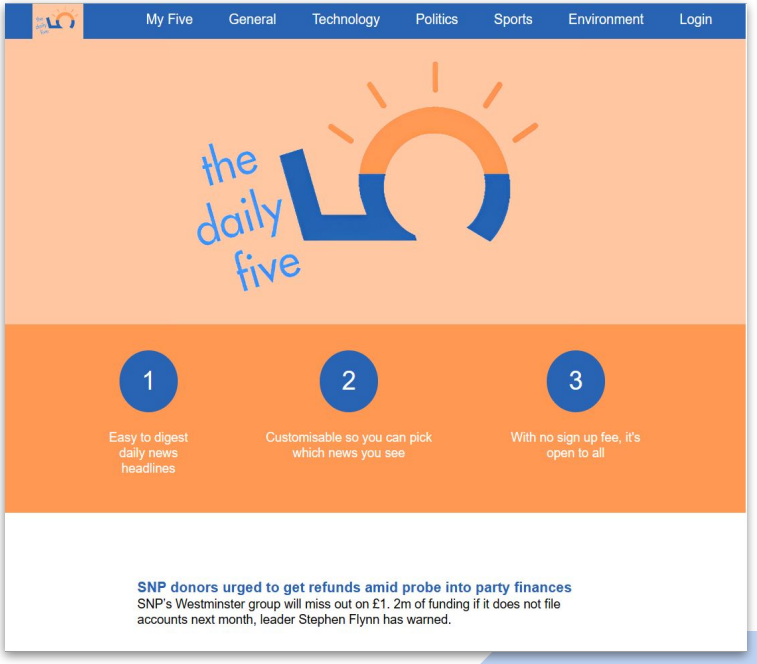
THE DAILY
FIVE

Structure of Presentation

1. Structure of System
2. Implementation
3. Collaboration Strategies
4. Key Takeaways

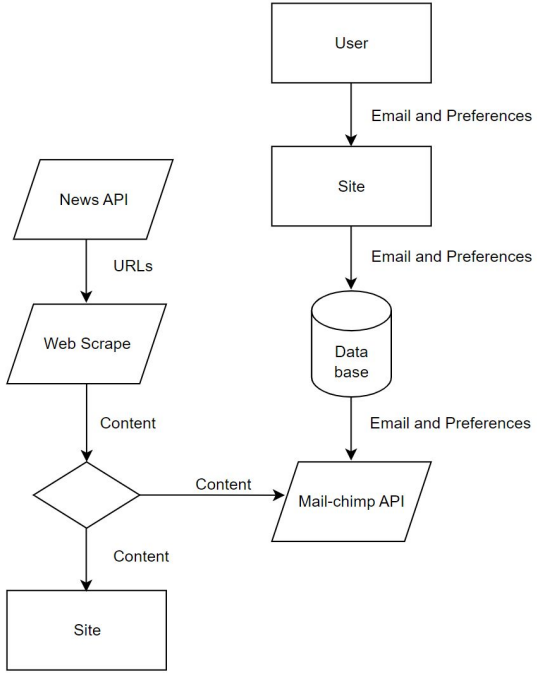
Overview of the Final Product

- Why we made it?
  - To provide a platform to keep students up to date with daily news
- Our solution
  - To directly email students with daily headlines based on their category preferences
  - Provide summarized articles

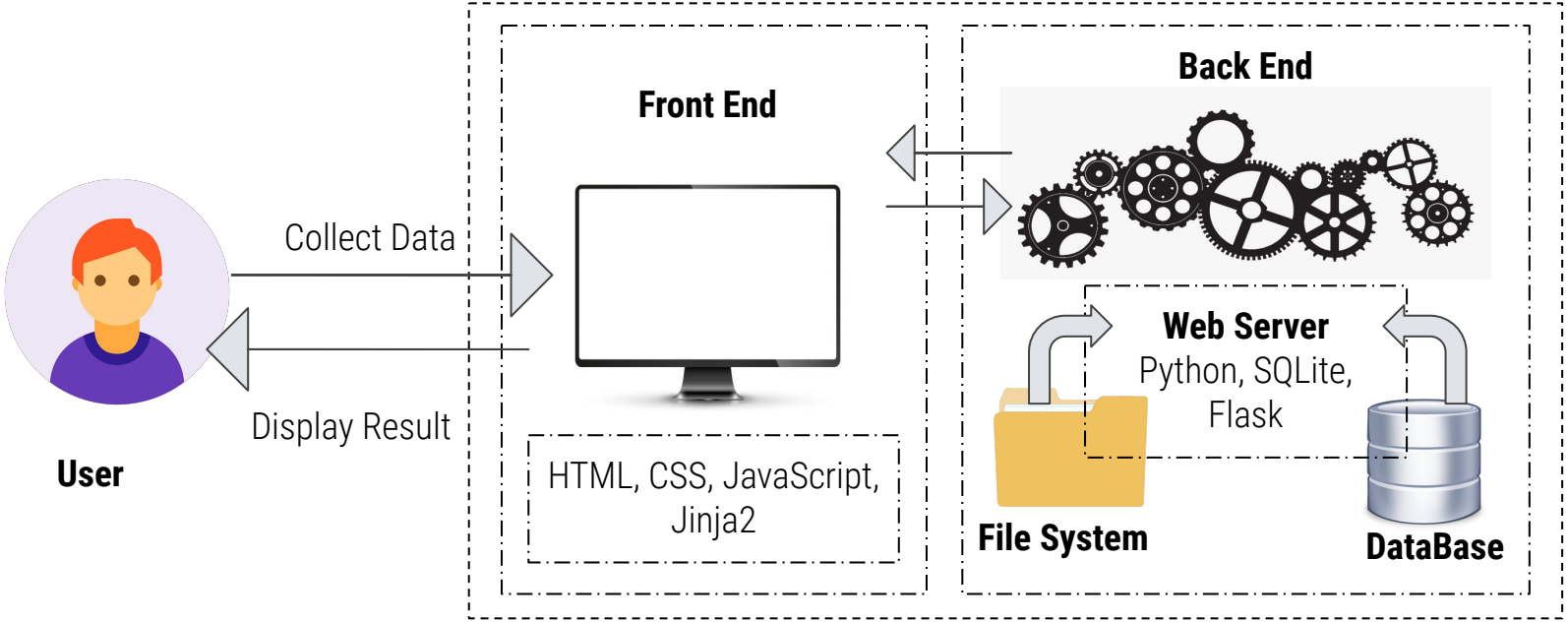


Structure of the System

1. **Website** - gather user email and preferences
2. **Database** - store the data retrieved from users
3. **MailChimp** - store user information and distribute
4. **NewsAPI** - retrieve the article URLs



Software Used



How We Used APIs

- NewsAPI
  - Perform a query based on key terms for each news topic

- Mailchimp API
  - Based on the user's preferences would be added to a group who would all receive the same email

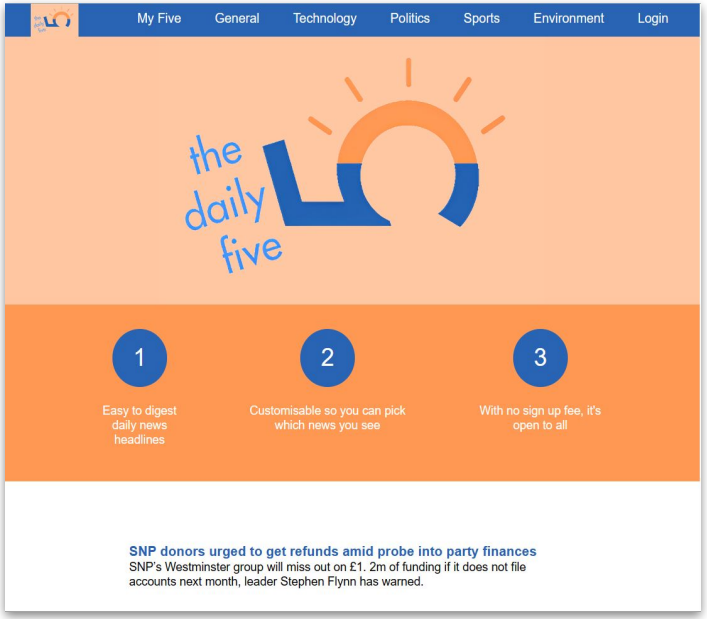
Database Structure

- Used a table that held the users who were registered
- Fields: User ID; Email; Password; Preferences
- Techniques used:
  a. Password hashing and encryption.
  b. Client-side session data storage.
- Make an api request based on the preferences that a user selected.

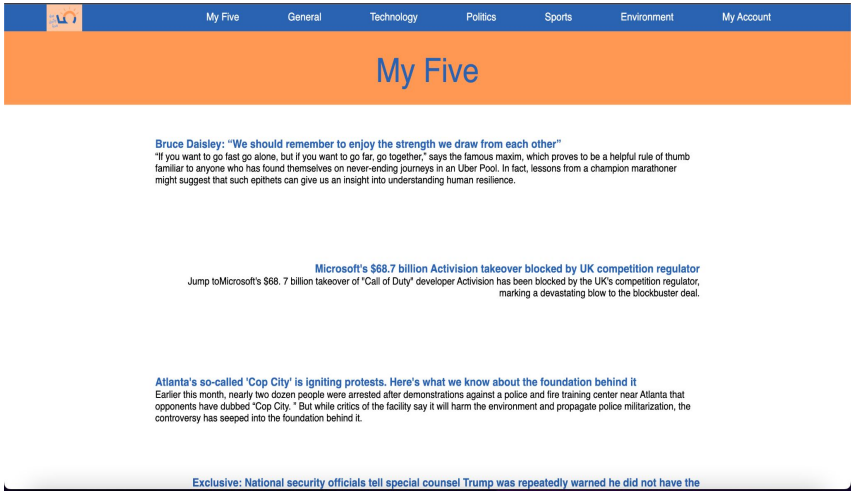
USERS:

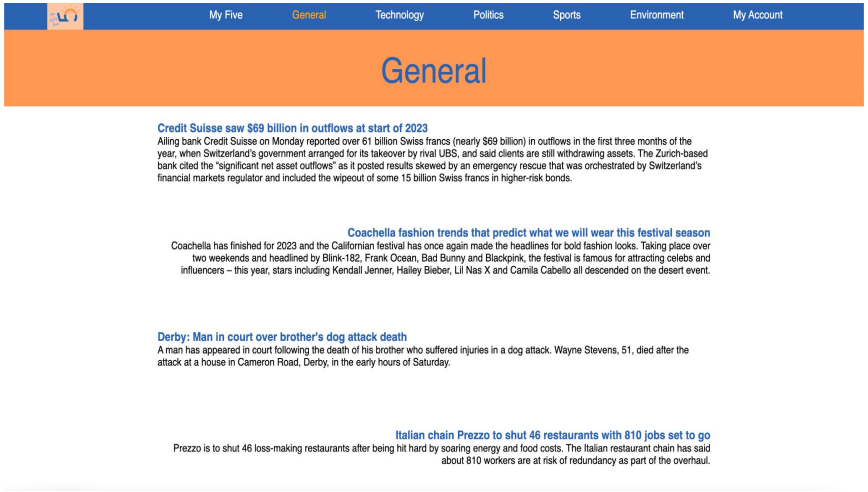
ID	Email	Password	Preference
1	john@gmail.com	Eyj8iutoy	Politics

Changes to Home Page



Other changes we made





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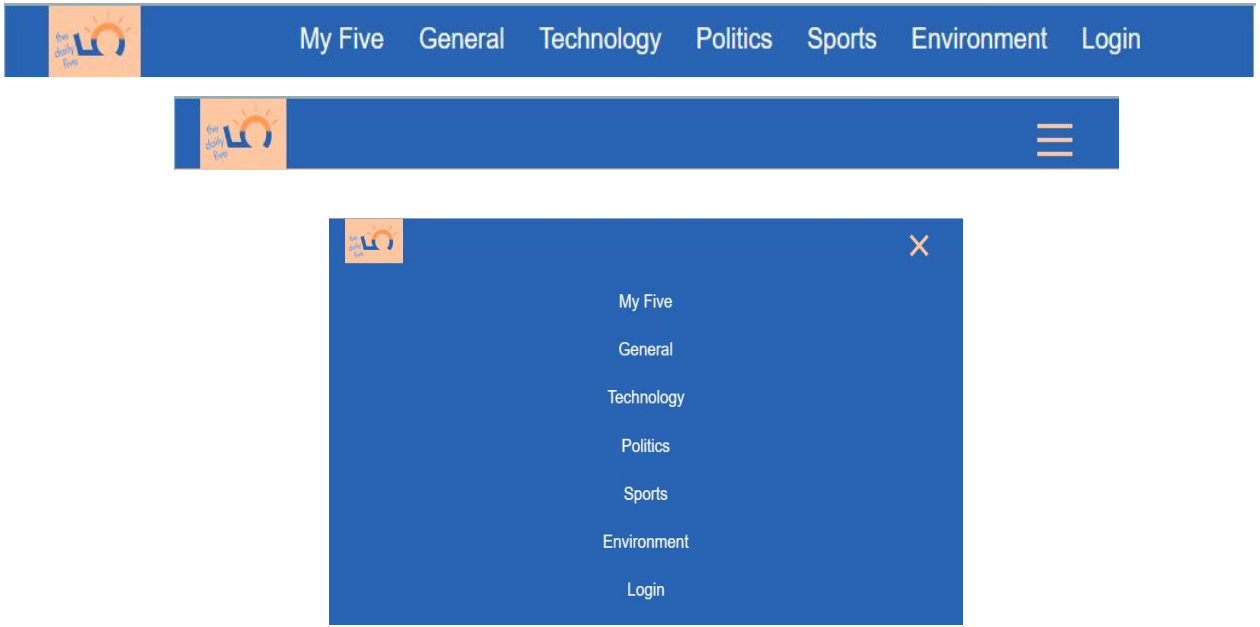
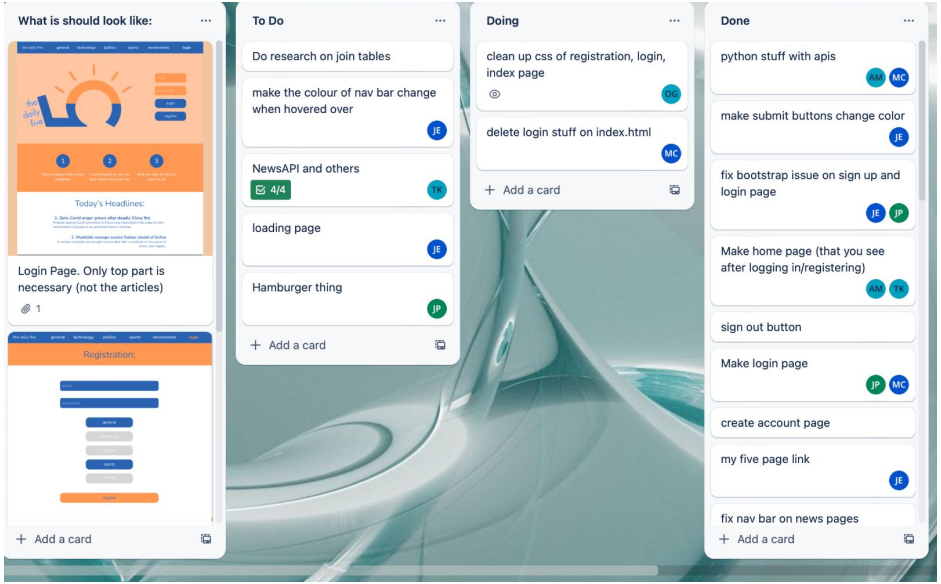


Technical Collaboration Approach

- GitLab
  - Branching
  - Separate files
  - Pulling changes
- Trello
  - To-do lists
  - Tracking changes

Process for Effective Collaboration

- Trello
  - Easily accessible
  - Team decisions
  - Responsibilities
- More regular meetings
  - Longer meetings
- Comparing progress to Gantt chart

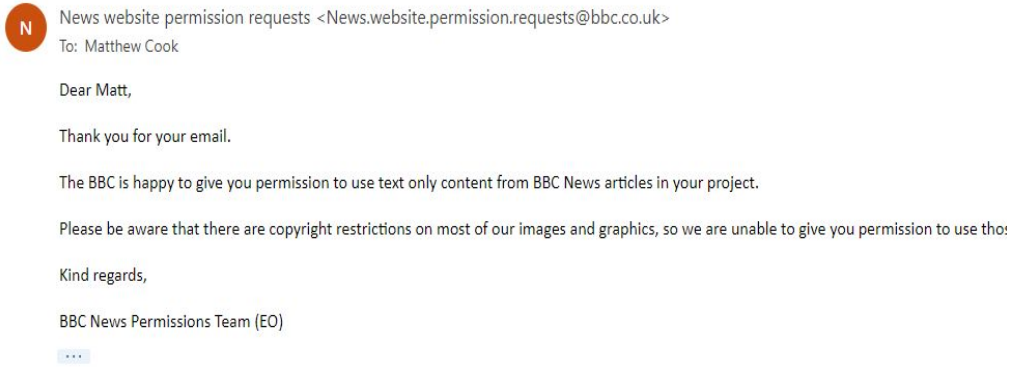


Distribution of Responsibilities

- Front End: Jay, Jasmine and Olivia
- Back End: Timothy, Angel and Matt
- GitLab allowed us to provide contributions simultaneously

Legal and Ethical Considerations

- The scraping of article content
  - As it is intellectual property, we emailed sources to clarify
- Storing personal user data
  - We used encryption to ensure that data was stored securely
- Showing reliable sources
  - Using untrustworthy sources would mislead users and decrease content quality



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News website permission requests <News.website.permission.requests@bbc.co.uk>

To: Matthew Cook

Dear Matt,

Thank you for your email.

The BBC is happy to give you permission to use text only content from BBC News articles in your project.

Please be aware that there are copyright restrictions on most of our images and graphics, so we are unable to give you permission to use thos

Kind regards,

BBC News Permissions Team (EO)

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Areas to Improve

- Considering time constraints
  - We found it difficult to estimate how long certain parts of the project would take
- Testing of user experience
  - We did not gather opinions of those outside of the project

Thank you!