

**Sprint 4 Documentation**

Fednews Webpage Upgrades

(Team FedNews)

Alexander Langdon - 30297113

Ben James - 30331986

Kevin Garcia - 30315566

Michael Dickenson - 30331949

Sunil Kumar -30311976

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# 1. Theme: The Prototype Sprint

Theme: Development of Web Pages

This was the fourth Sprint of the FedNews project, This was our third Sprint of the FedNews project, and this one was based on designing the web pages with basic functionality and giving a default design layout for all web pages. This This web pages will go on to serve as the base model of the site.

In order to develop the web pages, our first priority was to get the create the FedNews homepage, staff page, student page and events page for the site. The team used the user stories developed in earlier sprints to ensure all of the desired functionality was included. The UI was developed with reference to the current design of the FedUni website, trying to blend in with the existing styles, layout and functionality whilst having it still be our own work and useful for the work we’re doing.

# 2. Incoming Product Backlog

This section presents a complete Product Backlog that would be attempted by team during this sprint 2. There are 2 types of tasks attempted in this sprint :

* Non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system in particular conditions, rather than specific behaviors.
* Functional requirements are those which are related to the technical functionality of the system.

## 2.1 Non-functional sprint tasks

|  |  |  |
| --- | --- | --- |
| Task | Detail | Priority |
| Finalize style templates | Choosing a style template for the website and making sure it resembles FedNews current site but with new styles and layout | 3 |
| In depth exploration of PHP, HTML, JavaScript and CSS | Understanding the collaboration of all the files as a whole system | 3 |
| Exploration of Docker | Using docker functionalities and the team ability to incorporate it for future use | 2 |
| Exploration of Tech Stack | Understanding and learning the program. | 1 |

## 2.2 Functional Task: Website User Stories

|  |  |
| --- | --- |
| User Story | Details |
| **US1. View News** | As student or Staff, I want to view news related to the University. |
| **US2. User Submissions** | As a student or staff, I want to submit an article to be published to acknowledge viewers with information. |
| **US3. Emergency Notification/Alert** | As staff or student, I want to see Emergency news without needing to log into the website. |
| **US4. Article Modification** | As staff or student, I want to be able to edit articles, and attachments after publishing the article previously. |
| **US5. RSS restriction** | As staff, I would like the RSS feed to be only accessible by staff members. Students should not have access to staff information. |
| **US6. Posting news article approval** | As an administrator, I want to be able to approve any posts before they are published to the site. |
| **US7. Staff News Category** | As staff, I want to be able to view staff-specific articles. |
| **US8. Archiving Old News Articles** | As staff or student,I want to be able to view archived news articles in a separate place. |
| **US9. Submission Language Filter** | As an administrator, I want the articles submitted to me to have passed a language-filter. |
| **US10. Layout Design Improvements** | As Student or Staff, I want a web page to be for appealing to make me feel excited and interested to the viewing articles. |
| **US11. Add comment section** | As Staff or Student, I want to be able to share some short feedback on articles. |
| **US12. System Outage** | As an admin, I want to be able to create ITS alert for system outage. |
| **US13. Social Media Integration** | As a Staff, Student or Admin, I want to be able to share article, comment, etc using social media |
| **US14. New Locations** | As a Student or Staff, I want to be able to add locations (campuses) for news |
| **US15. Operable** | As student or staff, I want the web pages functionality and system to be more user friendly and easily accessed. |
| **US16. Staff page** | As staff, I want the staff web pages functionality and system to be more user friendly and easily accessed. |
| **US17. Event Page** | As staff or student, I want the event web page to be more appealing, understandable functionality and system to be more user friendly and easily accessed. |
| **US18. Article Voting** | As staff or student, I want the article to have votes on the quality. Up and down votes. |

# 3. Sprint Backlog

The Sprint Backlog is an artefact that was created in a team meeting held for planning the Sprint

The theme of this sprint was the Design Sprint, user stories were divided between team members. Each webpage related to said stories were created to show the new layout and design aspects including functionality, that is added to the website.

## 3.1 Task Management

Tasks were grouped into two main areas, functional and non-functional, dividing the main skills and knowledge required for the task. Each task has been given a priority level to identify high value requirements from the client. Priority level also helps to ensure that high priority tasks receive focus and are being executed with precision. Like the task, help and time were provided for each team member to ensure success in completion of their tasks.

### 3.1.1 Task Assignment

From the beginning of the Sprint planning for this sprint, the user stories were divided up between the group members. Each member was assigned user stories based on their knowledge of the website and the amount of work included in the redesign and creation of the end product for each page required for said user story. This resulted in each member having an input in the redesigning of the User Interface for the website, including layout, design and flow of pages and functionality.

## 3.2 Product Backlog Items

### 3.2.1 Non-functional sprint tasks

|  |  |  |
| --- | --- | --- |
| Task | Conditions of Satisfaction | Priority |
| Exploration of Pencil Software | The team members have gained the knowledge to use the software to create wireframes for the prototype and use it to do so | 2 |
| Finalize style templates | A new style template for the website has been chosen, it resembles FedNews’ current site but also includes new styles and layout | 3 |
| Exploration of InVisionApp | The team understands how to use the application to map out the wireframes and have used it to do so for the prototype. | 2 |

### 3.2.2 Functional Task: Website User Stories

|  |  |
| --- | --- |
| User Story | Conditions of Satisfaction |
| **US1. View News** | All pages for viewing news have been updated with a new user interface to improve the users experience in finding and viewing relative news items |
| **US2. User Submissions** | Students and Staff submission pages have been designed and mapped out to be incorporated into the website |
| **US3. Emergency Notification/Alert** | Emergency news is displayed more prominently on the site, so that users are easily alerted to it |
| **US4. Article Modification** | An edit button has been added to the article so that the publishing user can edit the article and its attachments after it has been published, this includes the editing page/view |
| **US5. RSS restriction** | RSS restrictions have been enforced, visually displaying what users can and can't access and subscribe to, using the one uniform view with varying access dependant on user type |
| **US6. Posting news article approval** | The administrator approval page has been redesigned and mapped out to improve the reviewing process |
| **US7. Staff News Category** | Staff have their own page for viewing staff specific news |
| **US8. Archiving Old News Articles** | Administrator view that shows all articles, their age/time lived since publication and whether or not they have been archived |
| **US10. Layout Design Improvements** | All pages have been redesigned and mapped out to improve the user experience |
| **US11. Add comment section** | A comment section has been added to each article in a convenient location related to the article |
| **US12. System Outage** | Alerting is available to let users know of system outages/maintenance |
| **US13. Social Media Integration** | Social media has been integrated into the design and layout of the site, including the ability to share and comment on article through social media.  This include a facebook page |
| **US14. New Locations** | New locations have been added to the filters included in the article submissions |
| **US15. User Interface improvement** | The websites user interface has been improved to allow for a friendlier user experience and a more accessible website overall |
| **US16. Staff page** | Improvements to staff pages functionality and system to be more user friendly and easily accessed. |
| **US17. Event Page** | A more appealing web page with easily understandable functionality and system that is more user friendly and easily accessed. |
| **US18. Article Voting** | Incorporation of the up and down vote system for each article |

# 4. Review Meeting Minutes

|  |  |
| --- | --- |
| Client Meeting Information | |
| Date (Time) | 03/09/2019 (14:00) |
| Attendees | Aaron Maskell, Kevin Garcia, Alex Langdon |
| Minutes Taken by | Alex Langdon |
| Venue | S001G |
| Meeting Overview | * This meeting was to address our current website design and development stage, to ensure we’re on track and gather guidance from the client. * Maskell was more than happy to provide us with critical and necessary feedback. * Addressed the concerns of live updates on the current FedNews website |
| Items Discussed | We discussed :   * Overall webpage functions and design * The updates which have been conducted on the existing webpage * Layout and functionalities of critical pages (submit news, staff news etc.) * Changes in which Aaron wanted to us to fix * Advice on features which could be added for various pages |
| Key Points of Client Feedback | * Remove headliners page * Create a staff page and student page with consistency and color shouldn't be similar to event page |

# 5. Retrospective Meeting Minutes

|  |  |
| --- | --- |
| Team Meeting Information | |
| Date (Time) | 20/09/2019 (13:30) |
| Attendees | Alex Langdon, Kevin Garcia, Sunil Kumar and Ben James |
| Minutes Taken By | Alex Langdon |
| Venue | F312 |
| Items Discussed | **Item 1:** What went well? - Group discussion and outlining of required and completed tasks - Understanding the clients requests and needs - Being prompt and prepared, making the meetings short and effective - Discussion and explanation of HTML, CSS, JavaScript etc, to develop a better understanding for the entire group - Concise logs and records of backlog items implementation details - Overall workload was agreed to be fair  - Agreed on weekly meeting time was scheduled  -Version control storage using GitHub    **Item 2:** What could be improved?  - Be more organised in finding an appropriate time and location for meetings - Have more Face-to-face or online verbal discussions (excluding text) - Enabling notifications on mobile devices will allow all members to be informed - Understanding everyone's work and university timetables, to allow for better meeting organisation - Be more effective and efficient with our contact for both client and supervisor - Use of one cloud storage technique instead of multiple  **Item 3**: What can we do?  - Set up earlier meetings over skype/adobe classroom/discord  **Item 4:** What is not in our control? - Work and university timetables are both a non negotiable unless workload becomes unbearable - Illness and personal circumstances, these unfortunate progress bumps can not be avoided in group work as people are assigned to individual roles and these issues are bound to appear - Members overloading in subjects limiting time they can spend on certain coursework and assignments |

# 6. Statement of Progress

Based on the sprinits covered before we came to the current sprint 4. Our main objective and motivation is to work on the backend work reach our goals we mentioned in above. All the guidelines and instructions are taken to be taken to avoid the minor and major mistakes made in sprint 3 and before. The Sprint 4 surpassed expectations with all the requirements and task covered with complete success keeping the client feedback and expectations into consideration. the overall layout and design improved from the previous sprint.

The functionality we are covering this sprint are more advanced,dynamic and final level work going to be implemented. The Functionality that was covered during this sprint is more appealing and giving the more attractive and professional look. The new features have been added with covering all the requirements and making the productive outlook to the new features which are more appealing and are as per the requirement of the client.

The communication channels and other tools remains the same such as Discord allowing to communicate and Facebook , google drive and organize the project easily and effectively.. All the meetings and online student contribution through communication channel has made and everyone has given the contribution and has shown progress in the sprint 3 and has acted more appealing and better than sprint 3 and various new learning and knowledge has been gained and shared by each other and each team member progress has acted as a critical success factor.

# 7. Outgoing Product Backlog

This section of the document will present the work actually being done in this sprint.

* Green highlighted rows are done
* Red highlighted rows are not done.

## 7.1 Non-functional sprint tasks

|  |  |  |
| --- | --- | --- |
| Task (T#) | Detail | Priority |
| T2. Finalize style templates | Choosing a style template for the website and making sure it resembles FedNews current site but with new styles and layout | 3 |
| T4. In depth exploration of PHP, HTML, JavaScript and CSS | Understanding the collaboration of all the files as a whole system | 3 |
| T5. Exploration of Docker | Using docker functionalities and the team ability to incorporate it for future use | 2 |
| T6. Exploration of Tech Stack | Understanding and learning the technologies involved with out stack. | 2 |

## 7.2 Table of Functional Task: Website User Stories

|  |  |  |
| --- | --- | --- |
| User Story (US#) | Details | Priority |
| **US1. View News** | As student or Staff, I want to view news related to the University. | 3 |
| **US2. User Submissions** | As a student or staff, I want to submit an article to be published to acknowledge viewers with information. | 3 |
| **US3. Emergency Notification/Alert** | As staff or student, I want to see Emergency news without needing to log into the website. | 3 |
| **US4. Article Modification** | As staff or student, I want to be able to edit articles, and attachments after publishing the article previously. | 2 |
| **US5. RSS restriction** | As staff, I would like the RSS feed to be only accessible by staff members. Students should not have access to staff information. | 2 |
| **US6. Posting news article approval** | As an administrator, I want to be able to approve any posts before they are published to the site. | 3 |
| **US7. Staff News Category** | As staff, I want to be able to view staff-specific articles. | 2 |
| **US8. Archiving Old News Articles** | As staff or student,I want to be able to view archived news articles in a separate place. | 2 |
| **US9. Submission Language Filter** | As an administrator, I want the articles submitted to me to have passed a language-filter. | 2 |
| **US10. Layout Design Improvements** | As Student or Staff, I want a web page to be for appealing to make me feel excited and interested to the viewing articles. | 3 |
| **US11. Add comment section** | As Staff or Student, I want to be able to share some short feedback on articles. | 1 |
| **US12. System Outage** | As an admin, I want to be able to create ITS alert for system outage. | 3 |
| **US13. Social Media Integration** | As a Staff, Student or Admin, I want to be able to share article, comment, etc using social media | 3 |
| **US14. New Locations** | As a Student or Staff, I want to be able to add locations (campuses) for news | 3 |
| **US15. Functionality upgrades** | As student or staff, I want the web pages functionality and system to be more user friendly and easily accessed. | 2 |
| **US16. Staff page** | As staff, I want the staff web pages functionality and system to be more user friendly and easily accessed. | 2 |
| **US17. Event Page** | As staff or student, I want the event web page to be more appealing, understandable functionality and system to be more user friendly and easily accessed. | 2 |
| **US18. Article Voting** | As staff or student, I want the article have votes on the quality. Up and down votes. | 1 |

## 

# 8. Statement of Contribution

|  |  |
| --- | --- |
| Team Member | Contribution |
| Kevin Garcia | Non-Functional backlog   * T2. Finalize style templates * T4. In depth exploration of PHP, HTML, JavaScript and CSS * T6. Exploration of Tech Stack   Functional backlog-User stories   * US1. View News * US7. Staff News Category * US10. Layout Design Improvements * US15. Functionality upgrades * US17. Event Page |
| Alex Langdon | Non-Functional backlog   * T2. Finalize style templates * T6. Exploration of Tech Stack   Functional backlog-User stories   * US1. View News * US7. Staff News Category * US10. Layout Design Improvements * US15. Functionality upgrades * US16. Staff Page |
| Sunil Kumar | Non-Functional backlog   * T2.Finalize style templates * T6. Exploration of Tech Stack   Functional backlog-User stories   * US10. Layout Design Improvements * US15. Functionality Improvements * US17. Event Page |
| Ben James | Non-Functional backlog   * T5. Exploration of Docker * T6. Exploration of Tech Stack   Functional backlog-User stories   * US5. RSS restriction * US8. Archiving Old News Articles * US10. Layout Design Improvements * US13. Social Media Integration * US14. New Locations * US15.Functionality Improvements * US16. Staff Page |
| Mike Dickenson | Non-Functional backlog   * T4. In depth exploration of PHP, HTML, JavaScript and CSS * T5. Exploration of Docker * T6. Exploration of Tech Stack   Functional backlog-User stories   * US2. User Submissions * US5. RSS restriction * US7. Staff News Viewing Option * US8. Archiving Old News Articles * US10. Layout Design Improvements * US13. Social Media Integration * US14. New Locations * US15. Functionality Improvements |

# 9. Burn down chart

<https://drive.google.com/file/d/1fLr_jf8HyPCnsQ2ueXlV_vZK54QnlEPa/view?usp=sharing>