

Project Nish Inc.

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Executive summary

'Flemington Kensington News' currently faces several challenges in regard to PDF accessibility and availability on their Squarespace website. Users with disabilities and/or elderly struggle to access the website, in particular viewing PDFs (product). *'Flemington Kensington News'* needs to redesign the landing page and the manner in which the Product is stored on the website to allow for accessibility options while also having a smooth, easy-to-use UI.

Project objectives

By redesigning the website, the aim is to:

1. Create a secondary website with an integrated PDF viewer, with accessibility features such as searchable text, text-to-speech, and document language.
2. Create a searchable feature in Squarespace allowing for PDFs associated with keywords to be located.

Project scope

In scope for the project:

- Redesign the Squarespace website to include searching.
- Create a secondary website.
- The secondary website must have two faces, Admin View and User View. Admin access allows for uploading, editing, and managing all PDFs. User View will have an integrated PDF viewer that will have options for accessibility features
- Usage of a database to store all PDFs and their associated text files.

This project does not cover:

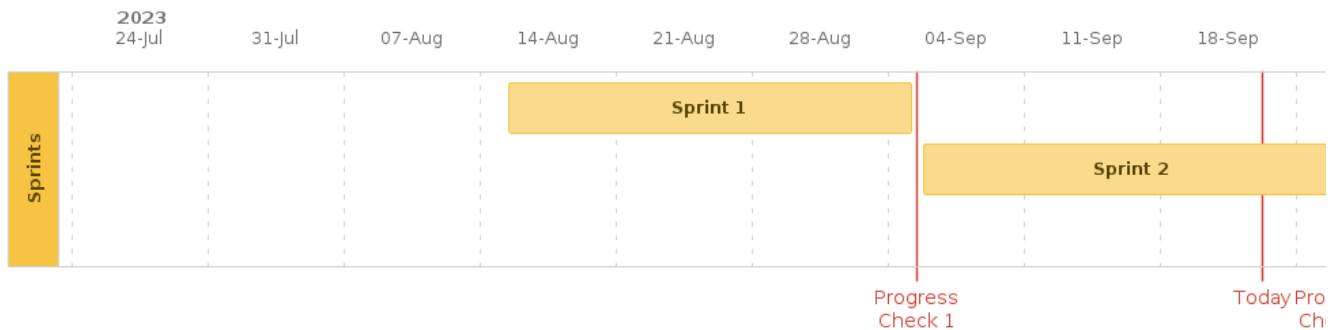
Redesign of Squarespace website in any way other than the above-outlined method

Stakeholders

Name	Role	Duties
Upnishadd Ksharma	Product Owner	Work closely with the client, and relay information to the team.

Bryn Meachem	Fullstack Developer	Work on the creation of the backend and frontend.
Grace Sendjaja	UI Developer	Work on the creation of the UI.
Matthew Thao Dang Pham	Scrum Master / Backend Developer	Delegation of tasks. Work on the creation of the backend.
Milad Izra	Frontend Developer	Work on the creation of the frontend.
David Fisher	Client	Sets requirements and approves

Roadmap



Releases

Release	Frontend Features	Backend Features	Devops Features
17/10/2023: Updated Frontend Endpoint / Overhaul	<ul style="list-style-type: none"> Basic Reader & Further Improvements To Routing [For Reader Capability] Dynamic Background Colours Rectangles & Ordering On View Page Added Zoom Functionality & Scaling Rectangles with Zoom Updated Endpoints Used instead of previous endpoints. Several Bug Fixes 	N/A	N/A

04/09/2023: Thumbnail Generation on Backend	N/A	<ul style="list-style-type: none"> • Generate Thumbnails on Upload of PDF • Add List all PDF endpoint 	N/A
02/09/2023: (Hotfix) File Sizes	N/A	<ul style="list-style-type: none"> • Allowed Larger File Size through Quarkus 	<ul style="list-style-type: none"> • Allowed Larger File Size through Nginx
01/09/2023: EC2 Upgrade and Backend Start	N/A	N/A	<ul style="list-style-type: none"> • Upgraded to t2.normal EC2 Instance
<ul style="list-style-type: none"> • 9/10/2023: Updated Frontend Endpoint / Overhaul 	N/A	<ul style="list-style-type: none"> • Edition Endpoints • Story Endpoints • Selection Endpoints • Minio Resource 2 	N/A
26/08/2023: Initial Frontend Demo	<ul style="list-style-type: none"> • Introduced new Upload Window Modal with drag-and-drop capability • reusable components for modals added • file directory refactored for enhanced organization • sample PDF items now displayable • user feedback animations introduced • New Item Upload Button implemented with click functionality. 	<ul style="list-style-type: none"> • Editions can now be published/drafted. Published Editions cannot be edited. Drafts maintain regular functionality • Searching for Editions added • Keywords Generate for editions • Stories now store html along with delta and text • Selections are now updated as a group of selections instead of individual selections • Delete endpoints for stories and editions 	<ul style="list-style-type: none"> • Started out on t2.micro EC2 instance • Nginx config introduced • Reverse Proxy on port 80 (Forwarded) • Frontend working on Port 3001 through RP (Not Forwarded)

Key Links

Software	Link
Discord	Join the IT Project Discord Server!
GitLab	Gitlab
Jira	IT Project Summary
MinIO	MinIO Console
Backend	OpenAPI UI (Powered by Quarkus 2.16.10.Final)
Prototype Website	Flem Ken News Pdf Viewer

Subsections

Documentation	Documentation
Design	Design
Sprints	Sprints
Meetings	Meetings Page
Artefacts	Artefacts