

1. Project Requirements

NewsAId is a tool that will help journalists and newsrooms to generate fully fledged news articles based on the facts and quotes that they would like to include. Using API calls to the OpenAI API, it hopes to take a list of facts/pictures/quotes that a journalist would provide to the site, and it'll generate a professional news story based on what it is given. Articles will be displayed on our platform in a style similar to reputable news sites. This would allow industry professionals to focus strictly on gathering information and save manpower, time, and resources that would otherwise be dedicated to the act of writing an article. Users will be able to generate AI images if they do not have images to add themselves. They will also be able to dictate and edit the writing style/features/length that they would like to be incorporated into their piece.

2. Product Requirements

Goal:

Create an easy to use and sharing based newsroom platform that allows users to create professional news articles generated using the OpenAI API using user supplied data and Web Sharing API used for sharing with others.

Non-Goal:

This project will not replace the need for human fact checking. Since the content will be AI generated, there must be human fact checking for errant statements.

Non-Functional Requirements 1: Customizability

Functional Requirement 1:

Ability to edit and customize most aspects of the piece such as style of writing, length, and data they would like or not like to include.

Functional Requirement 2:

Securely storing user articles and user data on a database and being able to retrieve this data reliably.

Non-Functional Requirements 2: User Profiles and Sharing

Functional Requirement 1:

Use Google Oauth for user authentication and to be able to access any associated articles

Functional Requirement 2:

Ability to share user curated generated content with everybody; not just users of the platform. To do this, we plan on using the Web Share API or calls to social media APIs (Instagram, Pinterest, etc)

3. Project Management

Theme:

Creating a robust tool that can aid newsroom professionals in their day to day work

Epic:

Generating a news story that looks professional while incorporating all of the user's needs

User Story 1:

As a user of NewsAId, I want to be able to customize every aspect of my article before as well as after it is generated in order to create an article that fits my specific needs.

Task: Using OpenAI API with a focus on user editability

Ticket 1: Design a strong UI/UX

Anticipate fields that a user may want to edit and create a strong user experience and implement numerous customizability features

Research what users want when writing an article, and what aspects a user may want to edit

Ticket 2: Implement OpenAI API

Implement the backend that will rely on API calls to the OpenAI API for our platform

User Story 2:

As a user of NewsAId, I want to be able to access my articles anywhere, and be able to have my information and articles safe from being stolen.

Task: Creating a strong backend that will assure users that their data will be safe on our platform

Make our platform login access only and retrieving associated user data

Ticket 1: Implement Google OAuth

Implementing Google OAuth for our application

Ticket 2: Implement a DB DAO

Implement a strong database that can securely store user data and articles