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Section 1: Introduction

1.1 Title

News App Deluxe Ultra Supreme

1.1.1 Project Name

News App Deluxe Ultra Supreme

1.1.2 Team Name

HP Officejet 3830 All-in-one printer

1.1.3 Date

April 30, 2021

1.1.4 Team Members

Austin Matias, Connor Contursi, Quang Quan Dinh, Dillon Halbert

1.1.5 Honor Code

We have abided by the UNCG Academic Integrity Policy on this assignment.

1.2 Document Structure

- Section 1: Introduction
- Section 2: Overall Description
- Section 3: Functional Requirements
- Section 4: Technical Requirements

1.3 Purpose

This is the System Requirements Document (SRD) for the N.A.D.U.S project.

NewsAppDeluxeUltraSupreme (or N.A.D.U.S.) provides to the user a FNS environment. Using an API use-case that takes news stories and delivers them to the user based on personal, defined preferences that are maintained as constant storage. N.A.D.U.S. will essentially act as a newsstand for articles seeing as it will not be able to post/create stories of its own, it merely presents what already exists.

1.4 Document Conventions

N/A

1.5 Intended Audience

Everyone with the intention of reading news and experiencing a fast and clean environment of reading news.

1.6 Definitions/Jargon

FNS: Fast News Surfer

N.A.D.U.S: News App Deluxe Ultra Supreme

GUI: Graphical User Interface

1.7 Project Scope

The final goal of this project is to deliver curated news articles directly to the user through the use of a third-party news API. This project will make use of persistent storage by creating a file on the user's computer which will save their favorite files for future reference.

1.8 Technical Challenges

Technical challenges for this application include frameworks that the team is unfamiliar with, as well as creating and maintaining a persistent storage database, and showing the user a GUI. None of the team members have prior experience with database maintenance, or GUI creation using JavaFX.

1.9 References

N/A

Section 2: Overall Description

2.1 Product/Project Features

- Displays news based on selected country.
- Allows addition and removal of favorite articles for later viewing.
- Easy to use user interface.

2.2 User Characteristics

Users will be able to select the country which they will receive the top headlines from. Users will also be able to quickly view, save, add, and remove favorited articles.

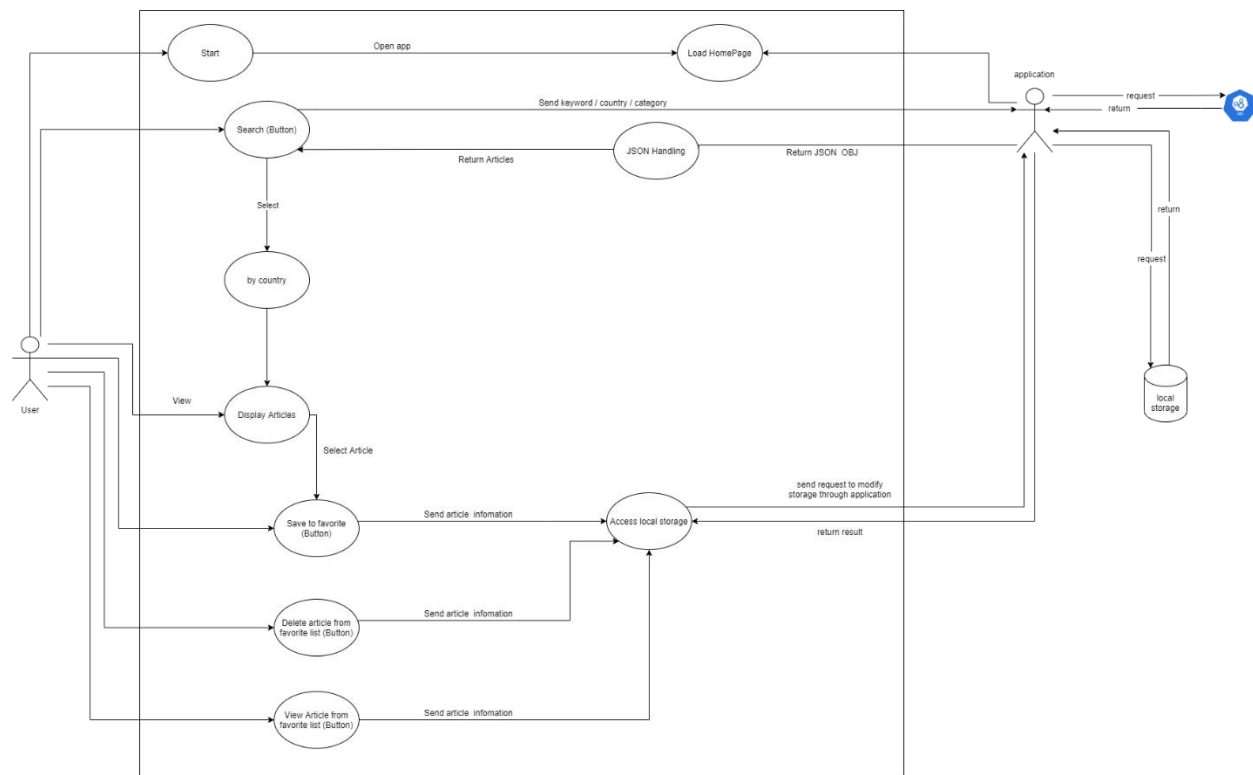


Diagram 2.0: User Interaction with Application

2.3 Operating Environment

Windows 10 OS build 19041.928
Java 8 JDK

2.4 Design & Implementation Constraints

Program needs to be easy to use and reliable

2.5 Assumptions and Dependencies

NADUS acts as a news searching and reading environment. Beside the use of Newsapi, which acts as an API that returns news information collected from clarified news websites, there are no third party components to this software.

Beside the use of Newsapi, which acts as an API that returns news information collected from clarified news websites. We have no third party or commercial components that planned onto the application.

Section 3: Functional Requirements

3.1 Primary

Retrieves top news articles from chosen countries and gives the user a brief synopsis of the article. Users can also click on the article to read it in full with the help of a built-in web browser.

3.2 Secondary

Allows users to favorite articles and save them to read later. Favorites can also be removed.

Section 4: Technical Requirements

4.1 Operating Systems/Compatibility

Compatible with all Windows 10 OS builds.

Java 8 is required for the program to operate properly.

4.2 Interface Requirements

4.2.1 User Interface

User interface must allow user to favorite articles and read articles

4.2.2 Hardware Interface

N/A

4.2.3 Software Interface

Software interface must display correctly selected articles and provide a readable page of article.

4.2.4 Communications Interface

N/A