

Software Requirements Specification

GuidedCampusTour

1.0

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Table of Contents

Revision History.....	3
1. Introduction	4
Purpose.....	4
Document Conventions	4
References	4
2. Overall Description.....	5
Product Perspective.....	5
Product Features.....	5
User Classes and Characteristics	5
Operating Environment	6
Design and Implementation Constraints	6
Assumptions and Dependencies	6
3. System Features.....	7
1. Content Pages.....	7
2. Navbar	7
4. External Interface Requirements	8
User Interfaces	8
Hardware Interfaces	8
Software Interfaces	8
Communications Interfaces	8
5. Other Nonfunctional Requirements	9
Performance Requirements.....	9
Safety Requirements	9
Security Requirements	9
6. Key Resource Requirements	10

Revision History

Name	Date	Reason For Changes	Version
Revision 1		Version 1 Release	1.0

1. Introduction

Purpose

Revision 1 is a website that provides a guided tour of the Dayton Campus using a navbar with different options depending on the type of user.

Document Conventions

Each requirement for this project has its own priority.

References

- Team Website: <https://markrogers009.github.io/Intro-to-Software-EGR-Project-Team-Website/>
- The website works with Microsoft Edge: <https://www.microsoft.com/en-us/edge/?msocid=23247de69132633c00e96895905362db&cs=181863826&form=MA13FJ>

2. Overall Description

Product Perspective

The website is a new, self-contained product that was created for the Into to Software Engineering project.

Product Features

The website allows the user to view information about different places on Wright State University's Dayton campus using a navbar.

Locations Available:

- Allyn Hall
- Biological Sciences I & II
- Brehm Laboratory
- Creative Arts Center
- Diggs Laboratory
- Dunbar Library, Pail Laurence
- Library Annex
- Fawcett Hall
- Health Sciences
- Joshi Research Center
- Mathematical and Microbiological Sciences
- Medical Sciences
- Millett Hall
- Neuroscience Engineering Collaboration
- Oelman Hall
- Rike Hall
- Russ Engineering Center
- Student Success Center
- Student Union
- Tom Hanks Center for Motion Pictures
- University Hall
- White Hall
- Alumni Grove and Tower
- Amphitheater
- Community Garden
- Dunbar Cafe
- ReyRey Cafe
- The Hanger
- The Rock
- Trustees Plaza
- Turning Points
- Union Market

User Classes and Characteristics

The navbar will list different locations depending on the type of user which is selected on the home page of the website.

User Classes:

Student, a type of user that will be able to view locations that are relevant to a student.

Staff, a type of user that will be able to view locations that are relevant to a staff member.

Visitor, a type of user that will be able to view locations that are relevant to a visitor.

Operating Environment

The website requires a computer with an internet connection.

Design and Implementation Constraints

The website must be completed by the end of the Spring 2025 semester with all major documents completed. The website also requires an internet connection.

Assumptions and Dependencies

- The main academic building on the Dayton campus (Student Union, Allyn Hall, etc.) should be included on the website. The other buildings on the Dayton campus are optional.

3. System Features

1. Content Pages

3.1.1 Description and Priority

The content pages have a high priority and are webpages that contain information about different locations on the campus which can be accessed by the user. Each content page contains a photo and information about a location on the Dayton campus.

3.1.2 Stimulus/Response Sequences

The content pages feature does not have any user actions.

3.1.3 Functional Requirements

Navbar: To access the content pages of the website, the user must use the navbar to navigate the website.

2. Navbar

3.2.1 Description and Priority

The navbar has a high priority and provides the user the ability to view the content pages on the website. The user type will determine which content pages are available to the user.

3.2.2 Stimulus/Response Sequences

- When the user clicks on a navbar element, the user will be sent to content page that is associated with the selected navbar element.

3.2.3 Functional Requirements

Visitor: The Visitor class has access to content pages that are relevant to a visitor.

Student: The Student class has access to content pages that are relevant to a student.

Staff: The Staff class has access to content pages that are relevant to a staff member.

4. External Interface Requirements

User Interfaces

The interface features a navbar at the top of the screen and a footer at the bottom of the screen. The navbar features a home page button and the buttons that are visible depending on the user class.

Hardware Interfaces

The software and the hardware communicate using GitHub.

Software Interfaces

The website supports Windows 10 personal computers.

Communications Interfaces

The website works on Microsoft Edge and uses HTTPS communication standards.

5. Other Nonfunctional Requirements

Performance Requirements

When the user accesses a content page using the navbar, the time to load the page should be less than 1 second, because the user should not have to wait to load a page.

Safety Requirements

This product does not have any safety requirements.

Security Requirements

This product does not have any security requirements.

6. Key Resource Requirements

[illegible]