

Lab 2: UConnect Requirements and Specifications

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**Table of Contents**

|   |   |
|---|---|
| 1 Introduction.....                               | 2 |
| 1.1 Purpose.....                                  | 2 |
| 1.2 Scope.....                                    | 2 |
| 1.3 Definitions, Acronyms, and Abbreviations..... | 3 |
| 1.4 References.....                               | 4 |
| 1.5 Overview.....                                 | 5 |
| 2 Overall Description.....                        | 6 |
| 2.1 Product Perspective.....                      | 6 |
| 2.2 Product Functions.....                        | 6 |
| 2.3 User Characteristics.....                     | 7 |
| 2.4 Constraints.....                              | 7 |
| 2.5 Assumptions and Dependencies.....             | 7 |

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## **1 Introduction**

### **1.1 Purpose**

This document is designed to provide an outline of the requirements and specifications for the UConnect project prototype.

### **1.2 Scope**

In current society, it has become increasingly hard to obtain a job due to the further increasing request for experience. It has even reach a point where, in some scenarios, a Bachelor's degree alone is not enough to obtain a stable job position. At the moment, a student's search for experience involves searching for internships or student-proposed projects on a disorganized collection of many different websites, where most would be lucky to obtain the exact experience they are looking for. The search for collaborators to help on a project to gain experience is also very hard, as people with the desired skill necessary for the project may be extremely hard to find on these websites as well. Team Sapphire's product, UConnect, will be designed to be a student's solution to this issue. UConnect will make this process much easier by being an organized space where Project Launchers may create posts saying that they are looking for collaborators with a specific skill set and Project Seekers can search for projects to fill that role. This allows both groups to gain the experience required in further career opportunities.

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### **1.3 Definitions, Acronyms, and Abbreviations**

Project Launcher: User who has a project they are interested in recruiting students to work on

Project Seeker: User who is interested in using their skills to contribute to a project

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## 1.4 References

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## **1.5 Overview**

The structure of this document, detailing further information about UConnect, will be split into two separate sections, Section 2, detailing an overall description of UConnect, and Section 3, detailing more specific requirements of UConnect organized by feature.

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## **2 Overall Description**

### **2.1 Product Perspective**

UConnect will be a web-based application that will allow users to find one another and collaborate on projects in a much more accessible way. The product will be designed to allow a student, specifically a Project Launcher, to post about a project that they are interested in working with others on, list specific skill sets that they deem necessary to complete the project, and communicate with potential collaborators about how to go about working on this project together. From another perspective, students, specifically Project Seekers, will also be able to search for projects that they enjoy that meet their skill set so they are able to obtain proper experience.

### **2.2 Product Functions**

UConnect will allow users to create and edit posts and user profiles, each with a tagging system so that the give post or profile is searchable and identifiable by specific characteristics. Given this, it will also be possible to view a list of all posts by a particular user. The searchable posts and profiles will allow any user to connect with a post or a user that they feel will best fit their needs, with an accompanying messaging system so that users have a means of communication to plan out their project.

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### **2.3 User Characteristics**

UConnect will have two primary types of users, Project Seekers and Project Launchers. Project Seekers are students who are seeking out a project to work on to further their total work experience. These students will search for posts by keywords and tags to be able to find the perfect project for them. Project Launchers are students who create, or launch, a project or post with a given description and tags in an attempt to find other students to work together with. These students may also find that further utilizing the search function for posts could be useful in finding the perfect collaborator for their project. is very important to note that being a Project Launcher and Project Seeker are not mutually exclusive, as a user may be interested in joining other projects while hosting their own.

### **2.4 Constraints**

N/A

### **2.5 Assumptions and Dependencies**

N/A