

**Requirements Specification Description**

**Internship Matching System**

**Youngstown State University**

## Table of Contents

<b>1. INTRODUCTION</b>	<b>3</b>
<b>1.1 PURPOSE AND SCOPE</b>	<b>3</b>
<b>1.2 GLOSSARY</b>	<b>3</b>
<b>1.3 REFERENCES</b>	<b>4</b>
<b>2. OVERALL DESCRIPTION</b>	<b>5</b>
<b>2.1 PRODUCT PERSPECTIVE</b>	<b>5</b>
<b>2.2 PRODUCT FUNCTIONS</b>	<b>5</b>
<b>2.3 USER CHARACTERISTICS</b>	<b>5</b>
<b>2.4 USE CASE DIAGRAM</b>	<b>6</b>
<b>3. SPECIFIC REQUIREMENTS</b>	<b>7</b>
<b>3.1 FUNCTIONAL REQUIREMENTS</b>	<b>7</b>
3.1.1 LOGIN CREATION SCENARIO	8
3.1.2 STUDENT PROFILE CREATION SCENARIO	9
3.1.3 STUDENT PROFILE UPDATE SCENARIO	10
3.1.4 STUDENT PROFILE DELIST SCENARIO	11
3.1.5 STUDENT TO EMPLOYER MATCHING SCENARIO	12
3.1.6 EMPLOYER INTERNSHIP CREATION SCENARIO	13
3.1.7 EMPLOYER LISTING UPDATE SCENARIO	14
3.1.8 EMPLOYER LISTING DELIST SCENARIO	15
3.1.9 EMPLOYER VIEW MATCH LIST SCENARIO	16
3.1.10 EMPLOYER TO STUDENT MATCHING SCENARIO	17
3.1.11 ADMINISTRATIVE STUDENT PROFILE DELIST SCENARIO	18
3.1.12 ADMINISTRATIVE EMPLOYER LISTING DELIST SCENARIO	19
3.1.13 ADMINISTRATIVE STUDENT PROFILE DELETE SCENARIO	20
3.1.14 ADMINISTRATIVE EMPLOYER LISTING DELETE SCENARIO	21
3.1.15 ADMINISTRATIVE EDIT SKILLS SCENARIO	22
3.1.16 AUTOMATIC STUDENT DELIST SCENARIO	23
3.1.17 AUTOMATIC NOTIFICATION OF EMPLOYER OF NEW MATCH	24
3.1.18 AUTOMATIC NOTIFICATION OF EMPLOYER OF EXISTENCE IN SYSTEM	25
3.2 Computing the Student/Internship Position Match	26

---

# 1. Introduction

## 1.1 Purpose and Scope

Currently, when students wish to find an internship, they are basically left on their own to find an opportunity. The Department of Computer Science and Information system provides little help or guidance besides a listing of available opportunities on the department website. The process for the student can be tedious, looking through job postings and trying to determine which internship they have the proper qualifications for. The process is also difficult for the employer, as they must also determine if the student that contacts them meets their needs.

The proposed system seeks to solve this problem by using an internship matching system. The system allows students and employers to create a profile and then allows employers to view students that match the requirements in their profile.

## 1.2 Glossary

**Active:** A student or employer who has created a profile and is not Delisted.

**Administrator:** Personnel from the CSIS department who are authorized to administer the system.

**Dashboard:** The user type specific list of actions available. When a user logs in, the proper dashboard based on their user type is automatically displayed.

**Delist:** When a student profile or employer listing is no longer considered active, but the information entered remains in the system. In the case of a student profile, they would no longer appear in employers match list.

**Employer:** A company that wishes to hire a student intern.

**Employer Contact Information:** Information about how to contact the employer, such as email address and phone number. Only visible to administrators to contact employers if needed.

**Employer Listing:** All information about an employer seeking a student intern, including contact information. Note that an employer may have multiple internships listed with different qualifications.

**Employer Repository:** Database/file storage for all employer profiles and internship positions for those employers.

**Internship Profile:** Description of a specific internship position, including desired qualifications index for that position.

**Likert Scale:** A ranking scale used to allow a respondent to rank an item on a scale from 1-5, often using words such as "1: Strongly disagree", "2: Disagree", "3: Neither agree nor disagree", "4: Agree", "5: Strongly agree."

**Login Credentials:** Username, password, and email address.

**Login Repository:** Database/file storage where login credential, user type, and link to the profile are stored.

**Match:** A student who's Qualifications Index is within the match threshold of the employer for a given internship position.

**Match List:** The list of students who are matches for the employer.

**Match Threshold:** The allowable deviation from a perfect match for a student to be considered a "match" for an internship position. Set by the employer.