



POLITECNICO
MILANO 1863

SCUOLA DI INGEGNERIA INDUSTRIALE
E DELL'INFORMAZIONE

Requirements Analysis and Specification Document

STUDENTS & COMPANIES

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Academic Year: 2024-25

Deliverable Information

Deliverable:	RASD
Title:	Requirement Analysis and Verification Document
Authors:	Riccardo Bonfanti, Jie Chen
Version:	1.0
Date:	22-December-2024
Download page:	https://github.com/JieCver1/BonfantiChen
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1 | Introduction

A. Purposes and Goals

A.1. Purpose

Internships provide students with a valuable opportunity to apply their skills in real job environments while enabling companies to connect with fresh talent. However, the process of finding and securing internships can be challenging for both parties.

Students&Companies (S&C) is a platform designed to facilitate this connection throughout the internship process. It allows students to match their preferences with available opportunities, ensuring internships align with their experiences and skills. Companies can specify project requirements to attract suitable candidates.

The platform supports both students and companies in two phases: recommendation and selection. During the recommendation phase, it utilizes keyword searches and statistical analysis to assess internship information. Students can search for internships and receive notifications about appealing opportunities, while companies can publish offers and get alerts when student CVs match their criteria. Once mutual interest is established, the selection phase begins, where the platform assists with interviews and finalizes the process. It also monitors the internship journey, providing feedback and enabling direct communication to address any questions. Additionally, the universities of the students can oversee the process to ensure the process is going smoothly.

A.2. Goals

[G1] Students must be able to search for available internship offers on the platform based on their preferences, using a simple keyword search.

[G2] Companies must be able to publish internship offers on the platform, specifying the requirements and job descriptions.

[G3] Students must be able to upload their CVs on the platform, containing their skills,

experiences, preferences, and other relevant information.

[G4] Students must be able to receive notifications when internships that they may be interested in become available.

[G5] Companies must be able to receive notifications when a student's CV matches their internship offer.

[G6] Students must be able to receive recommendations from companies based on statistical analyses of their profiles of students and the needs of companies.

[G7] Companies must be able to receive recommendations from students based on statistical analyses of students's profiles and their needs.

[G8] Students must be able to proactively apply for internships they are interested in.

[G9] After the selection process, companies must be able to set up the interview process with the students who applied.

[G10] After the selection process, students must be able to participate in the interview process with the companies they applied to.

[G11] During the interview process, students must be able to respond to the company's questions through questionnaires or other communication tools.

[G12] During the interview process, companies must be able to collect the students' responses.

[G13] Students and companies must be able to view all feedback and suggestions related to internship experiences.

[G14] Students and companies must be able to write feedback and suggestions regarding their internship experiences.

[G15] Students and companies must be able to communicate with each other through the platform regarding all aspects of the internship process.

[G16] Universities must be able to monitor the internship process to track any events.

B. Scope

C. Definitions, Acronyms, Abbreviations

D. Revision History

E. Reference Documents

F. Document Structure

2 | Overall Description

3 | Specific Requirements

4 | Formal Analysis Using Alloy

Organize this section according to the rules defined in the project description.

5 | Effort Spent

6 | References