



Wentworth Institute of Technology

Lost and Found Portal for Campus

Software Requirements Specification

Version v1.3

COMP-4960-2

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Revision History

Date	Version	Description	Author
09/26/2025	Version v1.0	1. Requirements Specifications file template filled. 2. Version 1 submitted, waiting for professor feedback.	Team 2
10/02/2025	Version v1.1	1. Revised the file in accordance with the professor's feedback: 1a. Filled the revision history table. 1b. Added additional non-functional requirements and other requirements.	Bjordi Ismailati Craig Bakke
10/09/2025	Version v1.2	1. Revised the file in accordance with the professor's feedback: 1a. Standardized punctuation. 1b. Increased specificity of requirement 2.2.3. 1b. Moved some sections to the design document. 2. Reformatted document version descriptions.	Craig Bakke Bjordi Ismailati Sammy Liao Aliyan Hidayatallah
10/17/2025	Version v1.3	1. Eliminated pronoun use in requirement 2.1.4 in accordance with the professor's feedback.	Craig Bakke

1. Introduction

1.1. Problem statements

Around the Wentworth Institute of Technology campus, students and faculty frequently lose personal items (e.g., keys, IDs, electronics, textbooks, clothing, bags) across various campus buildings, labs, and common areas. Currently, there is no centralized, easily accessible system for reporting and tracking these lost and found items.

1.2. Proposed solution

Our Solution is an iOS and web application, the Campus Lost & Found Portal. This app lets students and staff members report lost items around campus and uses location access to make it easy for users to find lost items.

The app is designed such that users enter their account and report any lost or found items, then they can leave a location pinpoint or a contact information, to make it easier for other users to find their items. The app also includes item description and details, which are used to make the search easier.

1.3. Novelty

Not applicable.

2. Requirements

2.1. Functional requirements

2.1.1 The system shall allow users to register an account using their Wentworth ID.

2.1.2 The system shall allow all registered users access to the app's services.

2.1.3 The system shall ask if the user wants to report a found or lost item.

2.1.4 The system shall allow the user to report a lost item. The user must complete the following subsections in order to report the item as lost:

 2.1.4.1 Category (e.g., backpack, coat, laptop)

 2.1.4.2 Description

 2.1.4.2.1 The system shall require users to write a basic description of the item.

 2.1.4.2.2 The system shall allow users to optionally upload an image of their lost item.

 2.1.4.3 Last known location

 2.1.4.3.1 The system shall allow users to mark the last known location with a pin, using their device's GPS.

 2.1.4.3.2 Users shall be able to select the building in which their lost item was last seen.

 2.1.4.4 Owner's Contact Information

2.1.4.4.1 Name

2.1.4.4.2 Phone Number

2.2. Non-functional requirements

- 2.2.1 The system shall restrict access to users with a valid Wentworth ID.
- 2.2.2 The report form shall include labeled fields for category, description and location.
- 2.2.3 Lost and found item reports that are approved by an admin shall be visible to users in under 1 minute.
- 2.2.4 Previous found items shall be saved into a database.
- 2.2.5 User data and contact information shall only be visible to the item reporter and system administrators.
- 2.2.6 The database shall have the capacity to store a minimum of 5000 lost and found item reports.
- 2.2.7 The system shall allow users to view and delete their own reports.
- 2.2.8 The system shall send an email notification to a user when their reported lost item gets reported as found by another user.

2.3. Other requirements

- 2.3.1 System Administrators shall have a separate admin portal to view, approve, and remove item reports.
- 2.3.2 The web application shall be hosted with Firebase hosting