

# ProfiLink



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## Submitted by:

Umair Noor	2021-CS-207
Bisma Ali	2021-CS-170

## Supervised by:

Sir Atif Hussain

Department of Computer Science  
**University of Engineering and Technology**  
**Lahore Pakistan**

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## **1. Introduction**

ProfiLink is a mobile application that aims to replicate the core functionality of LinkedIn, a professional networking platform.

### **1.1. Purpose**

ProfiLink provides a platform for users to create and manage their profiles, connect with other professionals, share content, search for job opportunities, and receive professional recommendations.

### **1.2. Scope**

In this subsection:

- (1) The software product to be produced is "ProfiLink"
- (2) ProfiLink will provide users with the ability to create, manage, and enhance their professional networks
- (3) ProfiLink will not endorse or support any form of unprofessional or unethical behavior, and it will not engage in data-sharing practices that compromise user privacy.
- (4) Job seekers can search for relevant job listings, and employers can post openings, creating a platform for career growth.
- (5) Users can build and maintain comprehensive profiles that showcase their skills, experiences, and accomplishments.

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

- ProfiLink: The mobile application being developed, designed to replicate the core functionalities of LinkedIn, a professional networking platform.
- SRS: Software Requirements Specification - The document that outlines the functional requirements and specifications of ProfiLink.
- User: An individual who registers and uses the ProfiLink mobile application for professional networking and career development.
- Profile: A user's personal and professional representation on ProfiLink, including information such as name, photo, professional summary, education, work experience, and skills.
- Connection: A mutual link established between two users, allowing them to connect and interact on ProfiLink.
- Content: Articles, posts, multimedia, and other professional materials shared by users on their profiles.
- Job Listing: A job opportunity posted by an employer on ProfiLink, including job descriptions, qualifications, and application instructions.
- Search Functionality: The capability to search for users, job listings, and content within the ProfiLink application.

- Privacy Settings: Controls that allow users to customize the visibility of their profiles and determine who can send them connection requests and messages.

### **1.4. Overview**

The rest of this Software Requirements Specification (SRS) document details the comprehensive set of requirements and specifications for the development of the ProfiLink mobile application. It provides an in-depth understanding of the functional and non-functional requirements, system features, and the scope of the project. This document serves as a critical reference for various stakeholders, including developers, designers, testers, project managers, and potential users.

## **2. Description**

### **2.1. Product Perspective**

The ProfiLink mobile application is designed to operate as a standalone product within the professional networking and career development domain. It is not intended to be an integration or extension of existing professional networking platforms but aims to replicate the core features of such platforms, allowing users to create, manage, and enhance their professional networks. The application will function independently, utilizing local storage, an online database (Firebase), and external APIs to provide a comprehensive user experience.

### **2.2. Product Constraints**

- The application will be developed using the Flutter framework, which means it will be compatible with iOS and Android platforms but may not offer identical performance and features on all devices.
- Integration with external APIs is subject to their availability, terms of use, and potential limitations.
- The application's performance may be affected by the user's internet connection, device capabilities, and system resource constraints.

### **2.3. Functions:**

ProfiLink will provide the following key functions:

- User Registration and Authentication: Users can register using their email or social media accounts, and the application will include password reset and account recovery mechanisms.
- User Profile Management: Users can create and manage detailed profiles, including personal and professional information.
- Networking Features: Users can connect with other professionals, send/accept connection requests, and follow users for updates.
- Content Creation: Users can create and share posts, articles, and multimedia content, as well as comment on and like posts.

- Job Search and Posting: Users can search for job listings, and employers can post job openings.
- Search: The application will feature smart search functionality to find connections, jobs, and content.
- Privacy Settings: Users can control the visibility of their profiles and customize who can send connection requests and messages.

### **2.4. User Perspective**

From a user's perspective, ProfiLink is designed to be an intuitive and user-friendly mobile application that empowers individuals to build and strengthen their professional networks, find career opportunities, and share their expertise within the professional community. It is aimed at professionals, job seekers, and employers looking for a platform to connect, communicate, and collaborate effectively.

### **2.5. Assumptions**

The development and functionality of ProfiLink are based on the following assumptions:

- Users have access to iOS or Android devices.
- Users have internet connectivity for accessing online features and updates.
- Firebase services and external APIs will be available and properly configured.
- The application will be hosted on app distribution platforms like Google Play Store and Apple App Store, subject to approval.

## **3. Requirement Specification**

### **3.1. Functional Requirements**

1. User Registration
  - Users can register using their email address or social media accounts.
  - Users must verify their email addresses during registration.
2. User Profile Management
  - Users can create and edit their profiles with personal information, professional summary, education, work experience, skills, and other relevant details.
  - Profile photos can be uploaded.
  - Users can customize the visibility of their profiles to the public or connections only.
  - Control settings to allow or restrict connection requests.
3. Networking
  - Users can send and accept connection requests from other users.
  - A user's list of connections should be accessible.
4. Content Creation
  - Users can create and share posts, articles, and multimedia content on their profiles.
  - Posts should support text, images, and video content.
  - Users can comment on and like posts shared by other users.
5. Job search and posting
  - Users can search for job listings based on various filters, including location, industry, and job type.

- Job search results must be up-to-date and relevant.
  - Employers can post job openings, including job descriptions, qualifications, and application instructions.
6. Search
- Users can search for connections, jobs, and content using a smart search feature.
  - Search results should be relevant and filtered by user-defined criteria.

### **3.2. Non-Functional Requirements**

1. The application must ensure data security and user privacy.
2. Passwords and sensitive data should be encrypted.
3. The system should be scalable to handle a large number of users and content.
4. The application should provide fast response times for user interactions.

## **4. Document Approval**

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Sir Atif Hussain