

Software Requirements Specification

Overview

Takeoff is intended to provide a social media networking platform where young professionals can connect with other users and share ideas.

Benefits

This site will serve as a hub where users can create professional connections, discuss issues related to business & employment, & further their professional development. Users will be able to build out a network of like-minded individuals and create sustainable long-lasting connections with other professionals.

Scope

This document covers the requirements for the Takeoff social-media site. The document will describe all high-level features that are to be implemented into the site. This document will guide developers into designing a site that incorporates all desired features.

High Level Requirements

Functional Requirements

Users of our site will be able to perform the following functions

- *Create profile*
- *Create posts*
- *Connect with other users*
- *Share articles & media*
- *View others posts & shared content*

User Stories

1.0 Users can create profile

- 1.1. User will add name to profile
- 1.2. User can add photo to profile
- 1.3. User can add career history to profile

1.4. User can add education history to profile

2.0 Create posts

- 2.1. User will hit “create post” button
- 2.2. User will enter text into post box
- 2.3. User will submit post to their profile

3.0 Connect with Other Users

- 3.1. User can search for other users
- 3.2. User can hit “connect” on other user profile to add to network
- 3.3. User can accept requests to connect from other users

4.0 Share articles & media

- 4.1. Users can hit “share” button
- 4.2. User can insert media
- 4.3. User can input link to media or website
- 4.4. User can again hit “share” button to share inserted media or website

5.0 View others posts

- 5.1. User can see posts & shared content from connected users on their home page
- 5.2. User can click on posts & shared content to visit page
- 5.3. User can click directly on connected user’s profile to see posts & shared content

Non-functional requirements

- *Navigating between pages will occur in 1.0 seconds or less (i.e. navigating from login to home page, navigating from profile to another users profile)*
- *Navigating between features will occur in 0.1 seconds or less within the same page (i.e. post box will pop up in 0.1 seconds after hitting post, share box will pop up in 0.1 seconds after hitting share)*
- *Website should have 99% availability over the course of a given calendar year*
- *Website should not be down for more than 5 minutes at a time*

High Level Interface Designs

In order to determine how to design our user interface, we assessed what qualities we are likely to find in our user base.

Our users are likely to:

- Be educated
- Be familiar with using Social Media Sites
- Have high computer literacy

Therefore our team decided to use React.js to design our user interface. React.js will allow us to design features that will fit our needs as a website, and will provide a level of familiarity to our likely users. Many similar social networking sites, such as LinkedIn, are designed using the same system. Therefore our user's are likely to have an intuitive understanding of our UI features, as they resemble those our users have used in the past.