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1 Introduction

1.1 Purpose

This document (Software Requirements Specification) will explain the purpose and features of the system. It is intended for both the stakeholders as well as the developers of the system.

1.2 Scope of Project

The goal of this this software is to provide an accessible and user-friendly website, where companies can post their open job offers and students can easily search and find these jobs.

2 System Overview

2.1 Definitions

- Guest: does not need to be logged in. Searches for and applies to Job Offers
- Company: needs to be logged in. CRUD on their own Job Offers and their Profile
- Administrators: needs to be logged in. CRUD on all Companies and all Job Offers

2.1.1 Guests

This system should provide the following features for guests:

- Simple Search function for approved Job Offers on the main page
- Advanced Filtering for approved Job Offers
- Provide an Opportunity to apply to a Job Offer

2.1.2 Company

This system should provide the following features for companies:

- Opportunity to register on the website
- CRUD-Operations for their own Job Offers
- Change their profile details

2.1.3 Administrators

This system should provide the following features for administrators:

- CRUD-Operations on all Job Offers
- Approve and Unapprove Job Offers
- CRUD-Operations on all Companies

3 Use Cases

All Use Cases assume the User has already opened the website in his browser and is currently browsing the homepage.

3.1 Guests, Companies and Administrators

3.1.1 Change Language of website

1. User presses preferred language-button in top right corner
2. System-Language is changed to preferred language

3.1.2 Search for a Job Offer

1. User can choose category and location
2. User presses “search”
3. All open Job Offers fitting the search are shown
4. User can filter Job Offers even more by setting the filter to his liking

3.1.3 Apply to a job (not fully implemented as of 5th December)

1. User searches for a fitting job offer
2. User presses “apply”
3. User fills out his details
4. User presses “send”

3.2 Companies and Administrators

3.2.1 Register on the website

1. User presses “Register”
2. System navigates to register-page
3. User fills out Username, Password and Email
4. User presses “Register”
5. System signs User up and details are saved in database
6. System navigates to login-page

3.2.1.1 Alternative Scenario «Username taken»

1. User presses “Register”
2. System navigates to register-page
3. User fills out Username, Password and Email
4. User presses “Register”
5. System tries to sign up User, but Username is already taken
6. System displays Error-Alert

3.2.1.2 Alternative Scenario «Password/email not valid”

1. User presses “Register”
2. System navigates to register-page
3. User fills out Username, Password and Email
4. User presses “Register”
5. System catches non-valid input in email/password
6. System displays Error-Alert

3.2.2 Logging into the system

1. User presses “Login”
2. System navigates to Login-page
3. User enters Username and Password
4. System authenticates User through backend
5. System navigates to homepage

3.2.2.1 Alternative Scenario «Bad Credentials»

1. User presses “Login”
2. System navigates to Login-page
3. User enters Username and Password
4. System tries to authenticate User, but Username and Password are not valid.
5. System displays Error-Alert

3.2.3 Logging out of the system

1. User presses “logout”
2. System log User out
3. System navigates to homepage

3.2.4 Change Password

1. User presses “Your Profile”
2. System navigates to profile-page
3. User presses “Change Password”
4. System opens Change Password-Component
5. User enters new password
6. User presses “Submit”
7. System changes password in backend
8. System closes Change Password-Component

3.2.4.1 Alternative Scenario «Passwords do not match»

1. User presses “Your Profile”
2. System navigates to profile-page
3. User presses “Change Password”
4. System opens Change Password-Component
5. User enters new password
6. User presses “Submit”
7. System notices that entered passwords do not match
8. System displays Error-Alert

3.2.5 Change user data

1. User presses “Your Profile”
2. System navigates to profile-page
3. User enters new data
4. User presses “Save Profile”
5. System changes data in backend

3.2.5.1 Alternative Scenario «Username taken»

1. User presses “Your Profile”
2. System navigates to profile-page
3. User enters new data
4. User presses “Save Profile”
5. System tries to change data, but Username is taken
6. System displays Error-Alert

3.2.6 Delete own profile

1. User presses “Your Profile”
2. System navigates to profile-page
3. User presses “Delete Profile”
4. System opens warning-popup
5. User presses “Accept”

3.2.7 Create a Job Offer

1. User presses “Submit Job”
2. System navigates to jobform-page
3. User enters details about the Job Offer
4. User presses “Submit”
5. System saves Job Offer in database

3.2.8 Edit own Job Offer

1. User presses “Your Jobpostings”
2. System navigates to jobpostinglist-page
3. User presses “edit” on the correct Job Offer
4. System opens jobpostingedit-page
5. User edit the Job Offer
6. User presses “Submit”
7. System updates Job Offer in database

3.2.9 Delete own Job Offer

1. User presses “Your Jobpostings”
2. System navigates to jobpostinglist-page
3. User presses “delete” on the correct Job Offer
4. System deletes Job Offer in database

3.3 Administrators

3.3.1 Approve a Job Offer

1. User presses “Manage Jobpostings”
2. System navigates to adminjobpostings-page
3. User checks the approve checkbox for the right Job Offer
4. System updates approved Job Offer in database

3.3.2 Delete any Job Offer

1. User presses “Manage Jobpostings”
2. System navigates to adminjobpostings-page
3. User searches the right Job Offer
4. User presses “Delete”
5. System deletes the Job Offer

3.3.3 Delete any company

1. User presses “Manage Users”
2. System navigates to adminuserlist-page
3. User filters for the company to be deleted
4. User presses “Actions”-Icon
5. User presses “Delete User”
6. System deletes chosen company in database

4 Functional and Non-Functional Requirements

4.1 Functional Requirements

4.1.1 Guest Requirements

Every guest should be able to:

- Search and Filter Job Offers
- Apply to a Job Offer

4.1.2 Company Requirements

Every company should be able to do the above as well as:

- Register
- Login
- Logout
- Create, read, update and delete his Job Offers
- Update and delete his profile

4.1.3 Administrators

Every administrator should be able to do the above as well as:

- Create, read, update and delete any posted Job Offers
- Read, update and delete any company
- Approve Job Postings

4.2 Non-Functional Requirements

4.2.1 Security

Data of all users should be saved and transferred safely and securely and not be accessible to unauthorized users.

4.2.2 Platforms

The Website should work properly on all common browsers.

4.2.3 Usability

The website should be user-friendly, easy to use and understand. It should be accessible to as many countries as possible.

4.2.4 Performance

The website should work quickly and react properly to user input.