Software requirements specification

Introduction

**Purpose**

The goal of this software is to provide a website where companies can post their job offers and students can find these jobs.

This Software Requirements Specification document serves as a guideline for the project and gives a detailed overview of the functionalities of the software. Its aim is to capture the needs of the company RCP and establish a common understanding of the functional and non-functional requirements of the project.

**Stakeholders**

* University students
* External companies
* Owners(WHO)

Definition

User: company

**System overview**

The system should:

* Show all the accepted job postings on the main page
* Provide an opportunity to CRUD (Create Read Update Delete) operations for job postings
* Be able to open every job postings page with details
* Be able to provide a registration for companies
* Be able to proceed login/logout for companies
* Provide an admin page with additional rights (approve/disapprove new jobs/companies or changes in existing job postings and companies)
* Search and filter the job postings
* Save companies and job postings information in the database

**Use cases**

1. Name: Log into the system.

Description: Company which is already registered visits the website and logs in with his own data.

Preconditions: Company has an account on the website, knows his e-mail address and password

Event Flow:

1. User opens a website and puts the button “Sign in”
2. User fills up e-mail address field
3. User fills up password address field
4. User puts the button “Sign in”.
5. System checks whether the credentials are correct
6. User is led to its homepage. The toaster “Sign In successful” appeared.

Alternate Scenario:

1. User opens a website and puts the button “Sign in”
2. User fills up e-mail address field
3. User fills up password address field
4. User puts the button “Sign in”.
5. System checks whether the credentials are correct
6. In case the e-mail address is correct, the password is incorrect, the toaster “Sign In failed – wrong password” appeared.

Alternate scenario 2:

1. User opens a website and puts the button “Sign in”
2. User fills up e-mail address field
3. User fills up password address field
4. User puts the button “Sign in”.
5. System checks whether the credentials are correct
6. In case the e-mail address is incorrect - the toaster “Sign In failed – user not found” appeared.
7. Name: Log out from the system.

Description: User which is already registered and signed in logs out from the website.

Preconditions: User has an account on the website, and already logged in

Event Flow:

1. User is on the website
2. User puts the button “Sign out” and is led to the main page. The toaster “You now are signed out” appeared
3. Name: Registration on the website .

Description: User registers the website (user fills up all the data about itself) .

Preconditions: User has an internet connection.

Event Flow:

1. User opens a website and puts the button “Register”
2. User fills up all fields (E-mail, password, Confirm password)
3. User choose the user type: company.
4. Company details, Address and Contact Person fields become available
5. User fills up all fields (Company details: Name, Description, Website, Logo; Address: Street/ House No., ZIP code/ place; Contact Person: Name, E-mail, Phone)
6. User puts the button “Register”
7. All the data are sent to database. The toaster “Registration is successful” appeared
8. User is led to the main page (where he can sign in)

Alternate scenario 1:

1. User opens a website and puts the button “Register”
2. User fills up all fields (E-mail, password, Confirm password)
3. User choose the user type: company.
4. Company details, Address and Contact Person fields become available
5. User fills up all fields (Company details: Name, Description, Website, Logo; Address: Street/ House No., ZIP code, Place; Contact Person: Name, E-mail, Phone)
6. User puts the button “Register”
7. In case data in fields “password’ and “confirm password” are not the same the toaster “Registration failed. Invalid Input” appeared. Under the field “confirm password” the message “Password and confirm Password do not match” appeared. User should rewrite information

Alternate scenario 2:

1. User opens a website and puts the button “Register”
2. User fills up fields (E-mail, password, Confirm password)
3. User choose the user type: student
4. The message “This option is currently not available.” appeared

Alternate scenario 3:

1. User opens a website and puts the button “Register”
2. User fills up fields (E-mail, password, Confirm password)
3. User choose the user type: company.
4. Company details, Address and Contact Person fields become available
5. User fills up some of the fields (Company details: Name, Description, Website, Logo; Address: Street/ House No., ZIP code/ place; Contact Person: Name, E-mail, Phone)
6. User puts the button “Register”
7. In case there is no data in any of fields “E-mail”, “Password”, “Confirm Password”, “Name”, “Description”, “Street/ House No.”, “ZIP code”, “Place” the toaster “Registration failed. Invalid Input” appeared. User should fill up information
8. Name: Change password

Description: User wants to change his password

Precondition: User is logged in.

Event Flow:

1. User put the button “My Account”
2. User chooses “Account Settings”
3. User is led to his account page
4. User fills up fields “Password” and “Confirm Password”
5. User puts the button “Save changes”
6. Data is sent to database and toaster “User update successful” appeared.

Alternate Flow:

1. User put the button “My Account”
2. User chooses “Account Settings”
3. User is led to his account page
4. User fills up fields “Password” and “Confirm Password”
5. User puts the button “Save changes”
6. In case data in fields “password’ and “confirm password” are not the same the toaster “User Update failed. Invalid Input” appeared.
7. Name: Change user data

Description: User wants to change some data about itself

Precondition: User has an account on the website is logged in.

Event Flow:

1. User put the button “My Account”
2. User chooses “Account Settings”
3. User is led to his account page
4. User fills up fields “Password” and “Confirm Password”
5. User puts the button “Save changes”
6. Data is sent to database and toaster “User update successful” appeared.