Software Requirements Specification Document

ESE 2018 – Team 4

Introduction

*Team Members:*

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*Name of the product:* «STUDIJOBS»

*Date:* We worked on this from the beginning of the semester, 17.09.2018, until the end of the semester, 22.12.2018.

*Purpose:* The aim of the project was to build a website where students/users can search, or just in general look out for jobs and employers from a company can offer these jobs. An employer should have an account where he can edit his profile and the jobs he wants to put on the website. There also must be an admin who is responsible for approving an employer or a job that the employer has created.

*Definitions, Acronyms, Abbreviations:*

Admin – someone who can manage the website, approve users and approve their created jobs  
Employer – someone who can create jobs, edit them and edit their profile data (they have an account on the website), their account can only be approved by an admin  
Job – the object that is displayed on the front page of the website, a job can only be approved by an admin

The Overall Description:

*Product Functions:*

1. A login/registration function must be implemented.
2. When a user registered, his data must be written into a database
3. A user must be able to update his profile data and this must again be saved in the database
4. Check if this user exists 🡪 if not, give him a hint that the login did not work
5. There must be two views. A view for an admin and a view for a user. Also a third view which is the main page and the page that e.g. a student can browse through
6. Give user the ability to create and update jobs even if they are not approved yet.
7. Everything should be in English so that everyone is able to understand it
8. There exist two different types of menus according to which user is logged in, one of the two shows. The admin/user can interact with this menu.
9. An admin is able to have insight on the users that are on the webpage and the jobs that have been created.

*User Characteristics:*

Admin – Someone who created this website. His userType is ‘admin’. He is able to approve of users that applied to the website and approve of their created jobs. He is also able to see everything that a basic user sees (e.g. Salary Calculator). The admin is written into a database and he cannot delete himself.

Employer – Someone who works for a company and wants to hire new people. His account can be used but actions can only be made (actions like job creations) as soon as he is verified. Same goes for his job creations. He can update his jobs whenever he likes, even when it was already approved. The jobs then would have to be approved anew.

Student – Someone who visits this website out of interest and interacts with it by searching for jobs or using the implemented features as the Tipps for the Career or the Salary Calculator. A student is not able to sign in to this website.

*Constraints:*

* Only registered users can log in to the website
* The website should be easy to use and very simple. It should be clear to every involved character what their possibilities on the website are.
* A user can only delete himself or his created jobs

*Assumptions and Dependencies:* Windows or iOS was used, also we figured that the Firefox-Browser works best for our project, in terms of design.

*Apportioning and Requirements:* Possible future goals:

* Implement statistics for admin
* Go over styling of design so that everything works together very smoothly
* usability test to optimize the whole website again

Specific Requirements:

*Database Requirements:* a database is used to save jobs and users. It holds information for the job such as: id, name, description, necessary skills, percentage, time, contact info, owner and approved. For the user it holds information such as, username, password (hash), usertype (either admin or enterprise), enabled, phone number, homepage, address, number of employees, business,

*Software System Attributes:*

1. Security – each admin and each user have their own login. No user can access the information of another user.
2. Availability – the system is available as soon as we let it run.

*Change Management Process:* It is most likely that we don’t go any further with this project since we all move forward in our studies at the university of Bern.