

De La Salle University

College of Computer Studies

Software Technology Department

**JobIT (Experts Academy / Experts Prime)**

SOFTWARE REQUIREMENTS SPECIFICATION

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1. **Executive Summary**

Experts Academy is a training facility designed to help students and experts alike by developing a system of engagement with the help of partnerships with higher education institutions. Experts will provide various skill based training courses for the students in order to enhance their skillset and employability here locally and abroad.

One of the main goals of Experts Academy is to bridge the gap between students and partner companies, the Experts system allows them to get experts from their partner companies to teach the students the skills they require to be able to cope with the tasks that their company partners require.

Experts Academy can provide students with numerous beneficial services such as Industry-based Training, Certification Exams Review, Seminars, Fieldtrips, Internships, and Industry Placement that can offer achieving students the chance to gain valuable experience and expand their existing skill-set.

Experts Academy’s mission is to produce graduates that are industry-ready and globally competitive, as well as provide equal opportunities to the under privilege. Though this Experts Academy wishes to become the Philippines’ prime provider of high quality industry-based trainings for global competitiveness and to be one of Asia’s top producer of Certified Professionals.

1. **Overview of the Business Process**

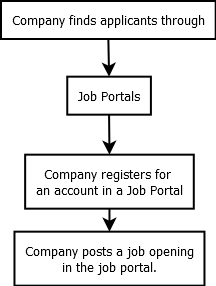
**2.1 Stakeholder Goals**

**Company –** Hire professionals with certifications. Certifications are proofs that they are knowledgeable and trained in their specific field which will ensure the professionals credibility.

**Applicant –** Get certifications to be globally recognized and have an edge especially for opportunities abroad.

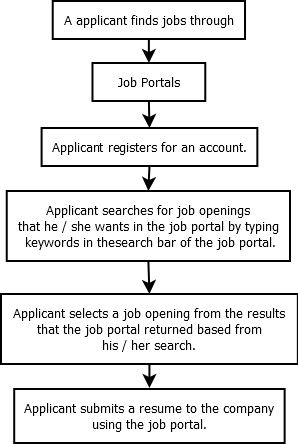
**2.2 Existing Business Process**

**Company**

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A hiring Company can look for potential employees through the use of job portals such as JobStreet. Before interacting with the portal, the Company must first register an account that will represent the Company on the job portal. After registering, the Company will have the ability to post job openings that include information such as description and requirements on the job portal that would become visible to searching applicants.

**Applicant**

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An Applicant can look for a job by using job portals such as JobStreet. The Applicant must first register an account on the portal and once the account has been created, the Applicant can search for job openings listed on the portal by hiring Companies. Job openings can be searched using keywords associated with it and the Applicant can then select one from the results to view more detailed information about it. From here, the Applicant can submit a resume to the Company that posted the job opening.

**2.3 Data Requirements**

Messages that will be sent among all users of the system should contain the receiver, title, and message.

Notifications that will be sent to all users will contain a title and message.

**2.4 Roles in the Business Process**

Two people are involved in the business process of finding a job and looking for applicants. The roles of these people and their tasks are summarized in Table 2-1.

|  |  |
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| Role | Description of Tasks |
| Company | * Post job listings in job searching sites such as jobstreet, jobsdb, and monster * Accept applications through email or job portals |
| Applicant | * Find jobs through walk-in, job portals, and referrals * Submit resumes to companies through email or in person * Post resume in job portals |
| Admin | * Approve account requests from Applicants not from Experts Academy * Create accounts for Companies in JobIT |

Table 2-1. Applicant and Company Tasks

1. **Problem Analysis**

This chapter presents the findings of the investigation on the organization’s needs and problems to be addressed by the software. (Only problems to be ADDRESSED) This section will also provide the reader with a background of the organization which is the primary stakeholder of the system to be developed. The various users and stakeholders of the software are also presented here.

| **ID** | **Description** | **Cause** | **Symptoms** | **Impact** |
| --- | --- | --- | --- | --- |
| # | What’s the problem? | What causes the problem? | How do we know the problem exists? | Why is this important? What are the consequences? |
| 1 | Some details of the job description are unknown to the applicant. | Details of the job being posted are broad. All the specific description of the job are not stated. | The Applicant will likely cancel his / her application because he / she would realize he / she can’t do the tasks required in the job. | Applicants don’t get accepted or get considered due to their incompatibility with the job position.  Companies miss the opportunity of hiring someone who is suitable for the job. |
| 2 | The HR, most of the time, does not inform you if you’re rejected even if they have received and seen your resume. | There a lot of applications that the HR is receiving or handling.  The Applicant does not do a follow-up regarding his / her application. | The Applicant does not receive any notification about his / her application. | The Applicant will be waiting for weeks before losing interest of his / her application or getting a reply. |
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1. **Software Solution** 
   1. **Objectives**

JobIT, a web-based Resume Portal, aims to bridge the applicants and the companies in the industry by letting applicants find jobs in a central system dedicated to Information Technology / Computer Science / Electronic Communications Engineering related skills and letting companies find certified applicants which they can hire.

The specific objectives of the software are as follows:

* To provide a facility for managing, and viewing applicant resumes;
* To provide a facility for applicants and aspiring job seekers to find employment;
* To provide a facility for companies to find possible additions to their team and employ them;
* To provide a standard and efficient way of setting meetings and sending messages to job seekers;
* To provide a unified way of notifying companies and jobseekers through the resume portal and email.
  1. **Characteristics**
* Be able to handle at least 3000 users
* User-friendly
* Fast
* Responsive

1. **User Stories***.*

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| **User Story #1: The User can log-in to the System through his / her account.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** The User has a valid account in the System. | |
| **Scenario:**   1. The User enters his / her registered e-mail address and password. 2. The User submits the entered information. 3. The System checks if the password is matched with the password associated with the e-mail address. | |
| **Post-condition:**  The User has successfully logged in. The User can now see the main page of his / her account. | |
| **Acceptance Criteria:**   1. Verify that the User is successfully authenticated by the System, the main page of the User’s account will be displayed. 2. Verify that if the e-mail address and password provided are incorrect, the System will inform the User that his / her e-mail address and / or password is incorrect. | |

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| **User Story #2: The User can manage their profile.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** The User has to be logged in and is viewing his / her profile page. | |
| **Scenario:**   1. The User selects the type of information he / she wants to change. 2. The User changes the previous information. 3. The User submits the changes. 4. The System saves the changes. | |
| **Post-condition:**  The User’s profile information is changed. | |
| **Acceptance Criteria:**   1. Verify that changes entered should be reflected on the User’s profile page and the database. 2. Verify that only edited information should be changed / updated. | |

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| **User Story #3: The User can change their password.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** The User has to be logged in and in his / her account settings page. | |
| **Scenario:**   1. The User enters his / her existing password. 2. The User enters his / her new password. 3. The User selects the save changes option. 4. The System saves the changes. | |
| **Post-condition:**  The User’s password is changed. | |
| **Acceptance Criteria:**   1. Verify that the new password is not the same as the existing password. 2. Verify that the new password follows the password convention. | |

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| **User Story #4: The User can choose how to receive notification.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** TheUser has to be logged in. | |
| **Scenario:**   1. The User chooses to enable or disable notifications. User controlled notifcation channel/s: email. 2. The User enters his / her password. 3. The User submits the changes. 4. The System verifies the User’s password. 5. The System saves the changes in the User notification settings. | |
| **Post-condition:** The System only sends notifications through the chosen notification channel enabled by the User. | |
| **Acceptance Criteria:**   1. Verify that notifications should only be sent in the channel/s chosen by the User. 2. Verify that changes must be saved in the System. 3. Verify that changes are only saved when the User has entered his / her correct password. 4. Verify that the User can enable / disable notifications for email. | |

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| **User Story #5: The User can log out of the System** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** The User must be logged-in in the System. | |
| **Scenario:**   1. The User chooses to log out of the System. 2. The System logs the User out of the System. | |
| **Post-condition:**  The User is logged out of the System | |
| **Acceptance Criteria:**   1. Verify that the user will no longer have have access to the System’s features once he/she is logged out 2. Verify that the user will only have access to the System once he/she has logged back into the system | |

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| **User Story #6: The Applicant can create an account to gain access to the System.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** None | |
| **Scenario:**   1. The Applicant enters his / her id number if the Applicant is from Experts Academy.   1.1. The Applicant enters his / her last name, middle name, first name, birthdate, address, email, contact number, gender, marital status, and password if he / she does not have an id number.  1.2 The System automatically fills the fields if the Applicant has an id number.  1.3 The Applicant may opt to edit fields.   1. The Applicant clicks a button and is shown the second part of registration (setup profile). 2. The Applicant enters the following data: skill/s, high school, college, certification exams taken (certificate, date achieved, certificate of competency), college course, and work experience (job title and years of experience). 3. The Applicant submits the entered information. 4. The System validates the entered information. 5. The System creates the Applicant’s account. | |
| **Post-condition:**  The Applicant’s account will be created. | |
| **Acceptance Criteria:**   1. Verify that the System fills the correct details of the Applicant given that the Applicant has an id number. 2. Verify that a duplicate account will not be created if the Applicant has an existing account. 3. Verify that the form can only be submitted if all mandatory fields are filled. 4. Verify that if the id number of an Experts Academy student does not exist in the database, the system will not fill any fields. 5. Input data types: last name, middle name, first name, address, email, contact number, gender, marital status, password, skill/s, high school, college, certification exams taken (certificate, date achieved, certificate of competency), college course, and work experience-job title string; birthdate: date; work experience- years of experience: int. | |

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| **User Story #7: The Applicant can upload his / her resume to make it visible to Companies who have set appointments with the Applicant.** | |
| **Estimate (Days):** | **Priority:** |
| **Pre-condition:** The Applicant has to be logged in and in his / her profile page. | |
| **Scenario:**   1. The Applicant selects his / her resume from his / her computer. 2. The Applicant uploads the resume. 3. The System stores the information from the form that the Applicant filled up and the uploaded resume. | |
| **Post-condition:** The resume is accepted by the System and can display the resume if requested. | |
| **Acceptance Criteria:**   1. Verify that the uploaded resume is a PDF file. 2. Verify that the uploaded file can only be viewed or downloaded by the Company when the Company has set an appointment with the Applicant and the Applicant has accepted the appointment. 3. Verify that if a previous resume exists, it will be replaced by the new resume. | |

**Appendix A – Improved Business Process**

*This chapter presents the improved business process when the proposed software solution is implemented. This visualizes how the software solution benefits or affects the current business process.*

**Appendix B – Interview Transcript**

**Appendix C – Sample Forms and Reports**

*This chapter contains the different forms and reports used by the company as part of its business process.*

*C-1. Customer Profile Form*

*The Customer Profile Form is filled up by an account executive for each new customer that he/she brings in to the company. This is submitted to the Accounting Office who manages all customer records of the company.*

*<copy of sample form here...>*

*C-2. Weekly Sales Report*

*The Weekly Sales Report*

**Appendix D – References and Acknowledgement**

### This section allows you to properly cite all materials that you used, be these in the form of books or online resources. You must also acknowledge any person(s) and/or organization(s) you have interviewed or gathered the information from (name, position).