

**JobIT**

SOFTWARE REQUIREMENTS SPECIFICATION

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1. **Executive Summary**

**EXPERTS ACADEMY (EXPERTS PRIME)**

Experts Academy is a training facility designed to help students and experts alike by developing a system of engagement / partnership with higher education institutions, whereby, Experts will provide various skills-oriented training modules / courses to the students to enhance their employability locally and abroad. They also devise education transformation to recognized industry certification as part of higher education student’s skills development training program. As well as producing graduates that are industry-ready and globally competitive and also providing equal opportunities to the underprivileged.

Other than education and training, one of the main goals of Experts Academy is to bridge the gap between students and partners, 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.

One of the services they offer is Industry Placement, where Industry Placement is a partnership between the industry and Experts Academy, designed to offer high achieving students the opportunity to gain valuable experience in a professional workplace environment. An IP student can bring fresh perspectives and new ideas into your work environment.

1. **Overview of the Business Process**

*This chapter presents the company’s business process and goals as an organization/department. What are the company’s business requirements?*

Experts Academy is a training center that provides training and courses for various certifications in the fields of Networking, Data Architecture, Security and other IT fields. This is done by providing students with certification courses through modules that stretch from the fundamental to more advanced topics, and at the end of the course, administers an exam encompassing the entire course. Their goal is to provide their students with industry-focused training that enhances their IT skills and in turn, their employability and readiness for industry work. This is all taught through experienced and certified faculty members.

Experts Academy also commits itself to providing assistance to their students in finding employment by partnering itself with various IT companies and educational institutions. Through these partnerships, students are provided with opportunities to observe and experience the IT working environment through company visits, field trips, expert seminars and internships.

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.*

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| **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 | The students have a hard time of finding a job. | There is no central online system where students can apply for a job. | Students have to go to the company to apply. | Going to a company to apply for a job is time consuming. The students’ time will not be fully utilized. |
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Note: The problems being described in the table above does not refer to the reason/motive of Experts Prime in creating a web-based Resume Portal. Rather, they describe the problems being experienced by the student and partners of Experts.

This software will act as an advantage and privilege to all Experts Academy’s alumni. Corporate partners may view the resume portal and get job seekers from the system. And because they are a training and testing center, companies trust the credibility of the resume portal, in which all of the job seekers available in the system are certified and have passed the exams of network.

1. **Software Solution** 
   1. **Objectives**

JobIT, a web-based Resume Portal, aims to provide students a more simple way of finding a job, and provide companies a more efficient way of hiring job seekers.

*“The specific objectives of the software are as follows:*

* *To provide a facility for managing, and viewing student resumes;*
* *To provide a facility for students 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 messages to job seekers;*
* *To provide a unified way of notifying companies and jobseekers through both email and SMS”* 
  1. **Characteristics**
* *Be able to handle at least 3000 users*
* *Web-based platform*
* *User-friendly*
* *Aesthetically pleasing (Good looking UI and design)*
* *Fast and responsive*

1. **User Stories**

**Note: There is no existing software to be referenced.**

**5.1 Job Application**

**1.** Student finds companies that he can apply based on job description or the field of his choice.

**2.** Student submits resume to the company via e-mail.

**3.** Wait for an interview and advice from Human Resource (HR). Waiting may take 1 to 2 weeks.

**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.*

***There is no current business process to be improved.***

**Appendix B – Interview Transcript**

[B] – Blue Barracudas [I] – Interviewee

B -

I – Ano course nyo?

B – Computer Science po

I – Sa La Salle?

B – (nods)

I – Ano na kayo? Third year?

B – Second year po.

B – Verify ko lang po- sa web portal, yung main process nya yung mga students o passers ay mag uupload ng resumes tapos i-viview ng mga companies na may access sa website?

I – Basically ganun pero hindi siya mismong PDF lang. Yung main process nun, Everytime nakapasa yung student, magreregister siya at sa admin part, saamin, pwede namin i-verfiy gamit ang database naming at pag na-verify namin, manonotify siya via email or text or sa portal. So para siyang Jobstreet, ganun na ganun yung concept niya.

B – Sir, pwede ba i-record kasi gagawa po kami ng transcript.

I – Sige.

I – Ano yung subject yan?

B- Software Engineering

I - Pero anong programming language ginagamit?

B – Java.

I – Java?

B – Anything goes naman saamin pero preffered namin is Java. Yun ang tinuro saamin.

I – Kasi ang sinisimulan naming dito is through web kasi kinakailangan naming i-deploy online.

B – May subject naman kaming web development.

I – So possible na yun ang gamitin?

B – Possible po gamitin namin ay web.

B - First question po namin: Do you store the resumes in a database?

I – Yes.

B – Kapag let’s say may nag-request, do you send by batch or specifics like kapag sinabi: I want this student from this university? May nag-mention kasi before may mga companies na nag rerequest sainyo ng mga resumes, do you send it like 1-100?

I – Ah, filtering?

I – Hindi po, parang bawat company binibigyan lang naming ng access sa mismong resume portal.

B – Currently po since wala pa pong portal?

I – Yung mga studyante ang nagbibigay saamin ng resumes tapos kami na naguupload o kung pwede, may mga accounts yun mga students na sila maguupload at mag-edit ng profile nila.

B – Yung sa web portal sir?

I – Oo.

B – Pero ano po current nyo?

I – Ah, current! Current process ay parang sinesend nga like in a file.

B – So walang existing?

I – Walang existing. (Referring to resume portal/system)

B – Ah wala po? Ok, let’s move on.

B – Second question: Do you want the system uhh, Do you want the companies to view them for free? Or may subscription?

I – Sa ngayon, free kasi for 6 months, parang dry run yan eh so parang testing period siya. So after 6 months, if the feedback of the system is maganda, then dun kami maglalagay ng subscription para ung mga ibang companies pwedeng mag-partner dun sa let’s say sa experts. Pwede yun nga preferably may subscription pero for the first 6 months, free.

B – Follow-up po: Are there different types of subscriptions?

I – Meron diba? Sa marketing natin which is the company na let’s say magreregister sila for free, ang access lang nila is viewing lang. Wala silang access to posts or pag nag job posting sila, we are hiding stuff like that kung baga yun access is the company lang pagka free. Pag may subscription, yun na iyon, full access na siya sa system.

B – Next question: Are there any requirements for the students para mag submit ng resume?

I – Yes, they need to pass the CCNA exam.

B - Is that a good entrance-

I – Yes kasi CCNA, uh ang CCIE yun eh yun yung basic requirements ng job portal for you to be considered sa database ng job portal.

I – Yung mga students lang kasi ng mga experts kung baga parang priority ng magkaroon ng account para sa job portal o resume portal.

B – In the future po, mag oopen pa kayo for other students?

I – Oo, preferably kung possible pero ngayon meron tayong ibibigay na accounts sa students kasi… diba?

I – Pwede rin. Ang basic kasi nun ay register lang sila nang register. Parang tayo ang mag aaprove.

B – So pag nag register, for approval pa po?

I – For approval pa.

B – So in the future, open kayo for other students, bibigyan ba ng edge ung students pag nag search ng requirement sila ung nasa favor ng search results?

I – Oo, sila yung nasa taas. Priority sila pag alumni sila ng experts; priority sila sa lahat like search, list of new passers, new registered account sa portal. Number 1 dapat sila.

B – Pwede ba i-update ng mga students ung resume? If so, when and how many times?

I – Actually, hindi na hawak ng… For you, nakita ko na kasi ung scenario na update lang ako nang update. For me, ang sasagot ko doon ay hindi na hawak ng system iyon so its beyond the jurisdiction of the system pero and pwede natin ilagay doon is kailangan ganun yun to verify na nandun sila, linked dun sa company. So let’s say isang beses lang ako nag-work pero nilagay ko marami na pala akong work. Wala tayong control.

B – So wala muna tayong restrictions?

I – Sige, pwede kayo mag come up ng idea kung paano mag rerestrict yun pero sa ngayon, wala munang restrictions.

B – How many students or passers are you expecting to be using the portal, estimated?

I – Sa ngayon? Probably around 3000 students

B - Any requirements para sa mga companies to b able to make an account?

I - Memorandum of Agreement, tapos parang tayo yung bibigay ng access at user accounts. Lets say parang kayo yung company at lumalapit kayo saamin.- Kasi yung mga companies parang dapat partner sila sa mga experts, di lahat ng companies may access dun sa portal. Dun na papason yung subscription. And then memorandum of agreement. Kumbaga initially kapag nag-agree na, gagawin na naming yung account ng company and then parang generated to code yung password pero username nila yung ano – lets say companyA@company.com so ayun, puwede nalang i-edit, palitan yung details nila at password.

Bali tatlo ang gagamit nito, si job seeker, company, si admin. So, kami kontrolado naming yung si job seeker at si company. Sila parang sila ang client naming, pero different account, different user type.

B- Ano po yung ginagamit ninyong technologies for this portal?

I – Currently, dinevelop naming yung initial database, yung parang yung flow system sa php, at my sql na database. Natuwa siya oh, yes madali to! Hahaha

B- hahahaha

I – Bakabukas tapus na ah? Hahaha. Boot strap yun, boot strap.

B- So yung first po, mag uupload yung student ng resume when they pass, tapos yung resume nila stored in the database, then for viewing nap po yan ng mga company?

I – yeah

B – yung hiring po rin ba through the website rin ba?

I – oo, throught the website. So initially kayo na yung passers at ako yung company, tapos nakita niyo jobpost ko. I need 3 CCNA’s. Kayo yun, nag-apply kayo sakin, and then manonotify ako na nag-apply kayo for this job position. And then I’ll view yung resume niyo and then pagnagustuhan ko, magsesend ako ng lets parang appointment na date saating dalawa. So dun na sesend. I-sest ko yung time, yung date kung saan at yung location, and then ma fefeed sayo yun. Puwede mong i-decline, or reschedule, and then accept. Mainly yan yung transaction na ginagawa from registration to company na nag-job post, tsaka si job seeker nag-apply, and then si company nag-view ng resume mo and then nagustuhan, then sesend na yung appointment. Then yun na, accept or decline tapos reschedule.

B – So si company po, si student aaply siya for the company diba?

I – hmh. \*nods\*

B - Si company pwede siyang magchoose na siya mismong mag-aaproch sa student.

I – Puwede rin. Yan yung isang mismong feature na kapag may subscription ka.

B – Ahh, okay.

I – Kapag may subscription ka, yung post, yung popost ka ng job post mo, kumbaga lahat ng functions ng portal nandun. Pagkawalang subscription, free lang, more on viewing lang. Puwede niya sigurong tignan yung profile ng resume ng mismong student pero limited lang makikita niya, lets say name lang, pwede yung ganun.

B – okay so yan yung first, so next po yung 6 months free muna yung job portal. So yung mga companies na yun full access?

I – full access.

B- okay, tapos yung full access, kita lahat, mga functions, features lahat available para sa mga company?

I – hmh

B – tapos yung free na yung client na hindi nagbayad sir, pang view lang ng resume, at incomplete details, at di lahat ng funtions available?

I – oo, at di lahat ng functions available, viewing lang siya.

B- Tapos next, yung makakaregister lang sa portal is yung students na naka-pass, automatic yun?

I – for approval.

B- tapos mga students nay yun may priority sa mga search results.

I - \*nods\*

B- open to other students rin po diba?

I – op open to other students.

B – So for a company to register in the portal, an MOA is required?

I – yes.

B- Then the account is given by the experts?

I – hmh \*nods\*

B- Generated by code password?

I – yes. Hmmm featues. Meron kaming ginawa na plain text lang siya so pakita ko sa inyo.

B- Sige sir.

I – yung resume portal sa kanilang payment center, di ba puwedeng other choices.

I – Puwede rin, pero mas favorable ying isa.

B- di ba mas baias sa advantage experts sa nagpoportal? Puwede rin bang other training centers tignan ang resume portal?

I – So far ang resume portal isa palang ang training center.

B – so for the first 6 months kayo lang po ang may access dun, wala pa pung students from other training centers

I – Acctually puwede na kaagad eh

B- Sir, since yung other students from outside your training centers puwedeng maka-register kailangan po bang accredited ang training center, or kahit sino puwedeng makapost po?

I – sa ngayun kasi for students lang ni experts.

B- okay.

I - para sa mga enrollees na experts, maron kaming bibigay na code na kapag magreregister sila ang may priority na makikita ng mga companies.

B- So code based nay un para malaman?

I – code based, para kapag magreregister siya, parang username, password, tapos meron pang isang field na pwede lagyan. Di naman required, pero kapag nilagyan sila yung may priority- Puwede ba na wag muna natin lagyan ng feature na para sa mga ibang studyante? dito lang muna. Pero nakaredy na yung registration page natin tapos ganun nalang.

B- So for now, required yung code?

I – oo.

B – sa side po ng mga students from other training centers, free na ba yung registration nila?

I – Oo. So initially ito yung na come up naming na plano sa jobIT. So, employers homepage, ayun siya.

B – Puwede pong picturan sir?

I – sige sige!

I – So initially ito palang na ooverview lang naming na parang magiging interface ni employer, pero madadagdagan naman at magiging complex yung ano eh. So yun kumbaga ito yung main na feature niya. Makikita niya yung mga applicants, ito ang mga nag-apply para sa jobpost nila at magrarandom lahat. Madami na agad makikita sa pinaka-homepage ni employer, Tapos itong mga names na ito clickable siya na kapag cinlick mo siya, makikita mo na yung mga details nung student. Kumbaga linked sa profile. Mas okay sana kung randomized siya pero yung priority is yung students ni experts. Priority yun, pero random.

I – Yan merong tayong hire applicants tsaka mga settings. Then lets say cinlick natin yung “John Doe” Makikita nayin yung information niya at yung resume niya mismo. And then lets say na gustuhan naming resume niya, lets set an appointment.

I – Yung dito, ito yung parang meron tayong i-seset na table sa registration page. So ito yung parang information nila. Dito sa resume puwede tayo mag upload ng documents, mga pdf file nandito sa documents na full details yung nakalagay, dito mas specific lang nakalagay kumbaga yung priority niya na information na gusto Makita ng client parang ganun.

B – Yung over views sa person?

I – Parang cover page para sa resume niya.

I – Si sir Carlo pala

B – Morning Sir!

B – So sir, since in the future yung mga companies na di naka subscribe sa web portal, yung personal information lang po yung makikita?

I – Oo, pwede. Pero di pwede yung documents. Lets say hanggang dito lang. Kasi initially pwede na niya macontact yan kahit mamanual niya eh. So yung contactidails dapat matago natin yan. Unless masest niya yung appointment.

I - May message, parang generated na kaagad. Either for exsample “hi this is JobIT , we are proud to tell you that this company would like to set an appointment with you in this date and time and place” ganun.

I – Puwede rin kayo magcome up ng sarili ninyong solution tapos i-sabi niyo saaminm kasi let say sir uh yung solution na naformulate natin dati, ito yung solution naming, masmaganda yung ganun.

I – Parang gusto kasi naming dito is yung contact information ng students, parang matago naming sa company yun, para kami yung pwedeng cumontact rin sa students. Kasi ang gagawin naming ditto parang magkakaroon rin kami ng parang rewards sa mga companies na maraming na hire na studyante, ganun.

I – balikan nalang natin yung sa contact number mamaya

B – Sige

I – ito pagka send niya, so nasa page parin tayo ni employer, so makikita niya dito. lets say may applicant naman nagset ng appointment. So puwede niyang I-hire o i-reject. Kumbaga ditto naset mo na yung appointment diba so meron nang actions si company, so after ng interview kung i-hihire na niya o rereject niya. So by the time pagpunta niya sa database na to, di na siya searchable dun sa ditto sa unang page. Para di magka overlap. Pagka-hire dun lang siya mawawala sa homepage.

B- Pero kung pending okay lang?

I – Oo. Pero ang di lang nga natin hawak dito is yung process. So lets say ininterview kita, and interested talaga ako saya, na dumaan ka sa process sa lahat, and then yung time na dumaan ka sa process di hawak yung resume portal. /kasi di natin alam eh, internally nagusap na sila eh. Puwede siguro nating ilagay dun currently uh, ayan basta nandito siya sa pending ito nay an, kapag hire naman siya dun na mareregister or siguro puwede nalang time base nalang to, kung wala siyang specific actions ginawa dapat merong prompt sa company na kung na hire na siya or di pa. So lets John Doe ay matagal na dun sa list so parang di siya na update sa database so hinre niyo ba to o nireject to?

B- parang tatawagan yung company?

I – uhh system nalang.

B- okay.

I – So lets say nasa homepage ako ng employer, maymag fefeed na notification na itong capplicant na to matagal nap ala sa list ko, di ko pa hinahire or di ko pa nirereject, so take some actions, parang ganun. Reject, hire or get back to the list.

B – parang friend request ganun?

I – hmh.

I – Applicant homepage so initially, what we came up with is yung, siyempre dapat may advertisement dapat, the more na naadvertise yung company the more na nagiging visible yung company so Experts and the n si Prime yan yung company kasi na nandito. Yung project niyo bale is under Prime kumbaga ganun.

B – iba po baa ng Experts at yung Experts Prime IT services?

I – Parehas sila , but yung Experts is more of a training services, and Prime is more of a Consultancy services.

I – Yan so meron tayong homepage, advertisement, pwede niyo na rin isama jan lets say jan yung mga job post, lets say may div to then job posts, then yung mga advertisements, kumbaga magkaroon kayo ng sariling design. Tapos yung mga navigations niya, lets say message, then profile or resume kumbaga lets say parang anong tipical nakikita sa facebook parang ganun lang, tapos pwede niyang i-edt. Nandito tayo sa profile ni student or ni jobseeker so puwede niya dittoing i-edit yung profile niya then lets say na may bago siyang work then puwede niyang iupdate but kaya lang yung sabi mo sir na what if ilang beses lang puwede mag-update after 6 months lang ba or everyday pwedeng magupdate. So magandang over view yung. Siguro what I think is whag muna nating lagyan ng restriction. Iisipin ko din kung pano irerestric yung mga possibilities kung bakit nila ginagawa yun so sa ngayon unlimited etid muna tayo.

I – So basically ganun lang yung process niya may ginawa kami sa php pero na sa ibang usb, so ito nalang muna

B – So yung messages sir, inbetween lang bas a student and sa company, yung ddtudent to student walang communication within the site?

I – parang ganun eh, pero may activity lang tayo sa admin part. So lets say si Smart, nagset siya ng appointment kay John Doe, so parang mafefeed dun ay “Smart has set an appointment with this guy”

I – at yung sa integration ng email, halimbawa nagset ng appointment dapat may magsesent sa sa email ng client na meron siuang message sa portal, kasi sa part ng applicant, di niya gaano mabubuksan yung portal kaya merong ding email, pero di full details, sasabihin lang niya na merong company na gusting maghire sa kanya, tapos yun lang pero yung complete details dun pa rin sa messages ng portal. So basically parang notification lang siya sa email. Puwede rin nating lagan ng option na pano kung gusto rin ni job seeker sa phone by sms. May Chika API parang sms. So lets say everytime na nagclick set appointment, may dalawang pupuntahan, may isang sms, may isang email sapost sa portal yung massage ni company, kasi di niya ditto talaga mababasa.

B - Yung company yung maghihire sa applicant, diba si applicant yung mag aaply kay company?

I – Puwede yung ganun. Diba magaaply si job seeker, pwede yung ganun, pwede rin si company mag-set. Either way pwede mag communicate yung dalawa. Yun nga lang if walang subscription or hindi partner, read only pwede niyang i-view pero di niyang nakikita yung other company. Actually pwede rin naman nating ibigay, kasi wala rin naman silang magagawa kung free, so either demo nalang. Dun sa process naming open naman kami kung meron kayong suggestions, kung kunwari yung process na to, may masmaganda kayong solution, basta present niyo lang sa amin.

B- sige po, siguro i-aanalyze pa naming ito, tapos siguro follow up meeting nalang siguro mga febuary?

I – Sige sure. Meron ba kayon specific deadline para sa Subject niyo?

B- we have the whole term po para magawa naming na yung project na to

I – ano dapat working na ba or…

B – working na po

I – ano yung timeline?

B – wala pang binigay sir, pero sa ngayon po interview muna tapos iaanalyze naming, dun po sa stage palang kami

I - Yung parang end date ng term niyo kalian?

B – April 20.

I – So most likely tapos na to by April?

B – opo. Baka Late March.

I – Di pa niyo thesis to no ?

B – di pa po

I – that’s good!

B- So okay nap o, puwede po bang mahingi contact details ninyo?

I – Sige, Email nalang.

B – Sige po. Thank you sir!

I – Thank you rin!

B – memesage po naming kayo pagstart na naming, tapos siguro weekly updates rin po.

I – Yung database pwede naming ibigay sa inyo yung initial na nagawa naming and yung mismong nagawa naming na php, kumbaga pwede po ninyong Makita kung okay po yung process ng page mismo

B – Sige po sir!

I – Siguro next time nalang pagkabumalik kayo.

B – Ah sige. Thank you For your time sir!

I – Thank you! May class po ba kayo ngayon?

B – Meron sir, mga 11 pa

I – Ah, Abot pa

B – Abot pa sir