Business Requirements Document

Intern.com – SE2018G14

Version 0.1

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1   Executive Summary

1.1   Project Statement

Can you imagine hundreds of internships just in one place available throughout the whole year?

Here comes the main goal of our website, offering summer and winter internships for all majors from corporates and startups. Our website provides all possible opportunities for internships that will give undergrads the chance to enrich themselves with the needed experience that will help them start their career.

In Intern.com

- Students will be able to create their own accounts with high level of security using (usernames, e-mails, passwords)

- Companies will have a platform where they can offer internships for all possible majors.

- Our text based search engine will then notify our users of all the possible internships that will be suitable for them based on their major and year of education, they will be able to apply and send their CVs through the website as well.

- Updates about our users' applications will be available for them to keep track of their acceptance/rejection path.

With the proper marketing campaign reaching Business Owners and Students from different fields, a self-sustainable internships rich environment with all parties benefiting is guaranteed.

They key here is to use the proper marketing tools which are suitable for each stakeholder, since the site cannot succeed with only one party being satisfied, both has to be satisfied in a healthy rich ecosystem.

1.2   Document Overview

This document introduces a platform on which Business Owners/Companies/Organizations can reach the proper Student providing a beneficial internship.

It includes problem statement, general features description, business objectives, functional & non-functional requirements, scope of the project, development plan, team working on the project, tools used in development & the infrastructure needed to sustain the project during development and after launch.

2   Introduction

2.1   *This Document*

intern.com is simply a platform that connects companies and students seeking practical experience each in his field through internships that companies offer through our website.

In intern.com, Students will be able to create their own accounts, these accounts will be provided with detailed information, our search engine will then provide the students with the companies offering internships
that suits them.

Business Owners will have a platform on which they can reach the intended Student, knowing that the platform is a common/known place for all Students from all majors.

Whether paid or not, many recruiters will value your unpaid experience too and you would have the opportunity to experience corporates' life!

2.2   *Stakeholders*

Stakeholder	Notes
Students	Students worldwide consistently search for international and local internships seeking for additional educational techniques.
Organizations and Companies	They provide the technical facilities and working place for educating the interns.
Foundations	They fund the internships and need to share it with students worldwide.

2.3 Features

Different Account Types

- Regular account type for undergraduates in which they can put their information which would be relevant for recruiters.

- Business Manager account type, a Business Manager can create a company and add other Business Managers in it who would have administrative authority on applications directed to this company.

Highly Customizable Search Engine

- A search engine equipped with a highly specific and detailed filter options which would make the search for an internship tailored for each and every user.

Applications Management for Businesses

- Ability to create custom lists to sort and organize applications.

- Application status (In-progress, Waiting List, Accepted, Rejected) which would be apparent to the applicant.

- Customizable application questions option which could be added to the application by the Business Manager.

2.4 Problem Statement

There are many important things to get done before in order to have a meaningful summer. One way to insure a meaningful and successful summer is through participating in a internship or job. However, this period of time can be stressful, as it is a prime time to apply for internships and preparing by following through with interviews and acceptances.

Nowadays, more than 60% of the internships are found through networking, and that may seem as a big number but it's actually very hard for a student in a specific field to find an internship that suits him\her.

As a student there is a high probability of you getting lost exploring different websites trying to find an internship that suits you.

Although there are a lot of websites for finding jobs & internships, there is no website based in Egypt that is specialized in internships only, despite how critical and mandatory they are for undergraduates.

In Egypt, most of the students depend on student activities to apply for the internships these activities are offering -although it not might be the most suitable option for them- because it saves them the time of searching and the disappointment of not finding any suitable one.

Finding the right internship is as challenging as finding a job, because in 61% of people who are in paid internships were offered a job when it was over.

2.5   Business Objectives

- Provide a platform on which Students can find a suitable internship matching their skills & needs.

- Provide a platform on which Business Owners/Companies/Organizations can easily reach the intended Student they want for the internship they are providing.

- A self-sustainable platform sustained by the users' posts.

- Boosted internship posts option for Business Owners for a specified fee.

- Profits through advertisements on the site.

- Helps companies in searching for suitable applicants by viewing their CVs for a specified fee.

3 Scope

3.1 Introduction

This section clarifies the scope of the requirements with reference to the scope of the overall project as specified in the Project Charter and any subsequent change requests and specific items that are not within the scope of this project.

3.2 In Scope

- Offering internships to the undergraduates to increase their experience.
- Enriching them with the needed experience to begin their career.
- Creating a search engine through which they can know more about what companies are most suitable for their career.

3.3 Out of Scope

- The internships posted on the site are not targeting graduates, only undergraduates.
- Full-time/Part-time jobs.
- Freelancing jobs.

4 Detailed Requirements

4.1 Introduction

This section breaks down the features of the site into a set of "detailed" requirements that specify more precisely what is to be accomplished in the project.

Detailed requirements are typically divided into two parts:

- **Functional Requirements**
  - Specification of the details behind the features.
- **Non-Functional Requirements**

4.2 Functional Requirements

The requirements in this document are prioritized as follows:

Value	Rating	Description
1	Critical	This requirement is critical to the success of the project. The project will not be possible without this requirement.
2	High	This requirement is high priority, but the project can be implemented at a bare minimum without this requirement.
3	Medium	This requirement is somewhat important, as it provides some value but the project can proceed without it.
4	Low	This is a low priority requirement, or a "nice to have" feature, if time and cost allow it.
5	Future	This requirement is out of scope for this project, and has been included here for a possible future release.

Req#	Priority	Description	Rationale
General / Base Functionality			
FR-G-001	1	Basic authentication functionalities: signing up, logging in, resetting password and logging out.	
FR-G-002	1	Ability to create profiles and list information regarding your user.	
FR-G-003	1	Searching other profiles and internship opportunities.	The search results should support pagination to make it more user-friendly to browse and save server performance.
FR-G-004	1	Ability to post internship opportunities.	The poster should have the ability to set a meeting date and time. The poster should decide when the applicants can no longer apply for the opportunity and the opportunity closes.
FR-G-005	1	Ability to apply for internship opportunities.	
FR-G-006	2	Ability for internship opportunity original posters to approve or decline members that have applied for their opportunities.	The internship poster should have an optional choice to send their email address to the applicant for further communication.
FR-G-007	2	Profiles that are accepted should receive an email and website notification with meeting details for interviewing, and if selected by the poster, the email address of the poster.	
FR-G-008	3	Ability to upload a resume and attach educational/career details to your profile.	

Req#	Priority	Description	Rationale
Security Requirements			
FR-S-001	1	Authentication should be done through a username/email and password.	
FR-S-002	2	Brute force protection should be implemented to prevent unauthorized logins.	
FR-S-003	2	Traffic should be encrypted over TLS.	Network packet sniffers might be able to retrieve sensitive data such as authentication details or files transmitted.
FR-S-004	5	2-factor authentication through email.	Accounts should receive a link or a code to authenticate before they can complete the login process when this option is enabled.
FR-S-005	5	Verification system for profiles that would like to post internship opportunities.	A profile should be verified before they can post internship opportunities to prevent fraud.

4.3 Non-Functional Requirements

➢ **Security**
  o The website safeguarded against deliberate and intrusive faults from internal and external sources.

➢ **Accessibility**
  o The website can be used by people with the widest range of capabilities to achieve a specified goal in a specified context of use.

➢ **Availability**
  o The website can be accessed at all times.

➢ **Confidentiality**
  o The website protects sensitive data and allows only authorized access to the data.

➢ **Efficiency**
  o The website handles capacity, throughput, and response time.

➢ **Reliability**
  o The website consistently performs the specified functions without failure.

➢ **Maintainability**
  o The website faults can be detected and fixed easily.

5   Assumptions

- The Project relies on the **Business Owners** creating profiles and posting internships on their own.

- Students will create and update their own profiles.

- A marketing campaign will be launched after the initial delivery of the project to help reach the Business Owners & the Students since the site success depends on the site having a large enough population.

- Revenue from the site would be mostly from advertisements, boosted internship posts & a fee paid by businesses on each intern they accept.

- The Development team would finish the learning phase in which they acquire the needed skills to carry on the project before the delivery deadline giving them an appropriate time window to develop the site.

- All the mentioned tools in section **7. Tools** remain open-source.

- Availability of free for use designs which can be integrated in the site for an initial release.

6 Development Plan

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Team Assembly	■													
Team Training/Development		■	■	■	■	■	■	■						
Study Business Requirements		■	■											
Prepare Business Requirements				■	■									
Prepare System Requirements					■	■								
Test Planning							■							
Implementation							■	■	■	■	■			
System Testing												■	■	
Delivery														■

7   Tools

Operation	Tools Used
Source & Version Control	Git/GitHub
Integrated Development Environment	ATOM 1.31.2
Programming Languages	Python 3.7 & JavaScript 1.8.5
Framework	Django 1.11
Mark-up Language	HTML5
Style Sheet Language	CSS3
Structured Database	MariaDB 10.2
Project Management	Trello & GitHub

8 Team

Teams	Role	#
Project Management	<u>Team Leader</u> ○ <u>Ali Amr Farouk</u>	1
Front-end Development	<u>Team Leader</u> ○ <u>Shehab Hosny</u>	1

	<u>Developers</u>
	  ○ <u>Samaa Moaty</u>
	  ○ <u>Ahmed Gamal</u>
		2

Back-end Development	<u>Team Leader</u> ○ <u>Ali Amr Farouk</u>	1

	<u>Developers</u>
	  ○ <u>Abdelrahman Tawfik</u>
	  ○ <u>Doha Mustafa</u>
	  ○ <u>Sara Hisham</u>
		3

Full-stack	<u>Developer</u> ○ <u>Giovanni Mounir</u>	1

9   Infrastructure

Phase	Name	#
Development & Testing Infrastructure	Mobiles/Tablets	8
	IDE's & Frameworks installed on each device	8
	Task Management Setup	1
	Local Backup Server	1
Initial Production & Routine Maintenance Infrastructure	Online Production Server (Physical)	1
	Mobiles/Tablets	4
	Online Backup Storage	1