**TRANSACTIONAL WEB APPLICATIONS**

**PROJECT**

**-420-951-VA- SECTION-05813**

#### **DELIVERABLE # 1**

1. **PROJECT BRIEF/DESCRIPTION**

One paragraph with bullet list describing the web application and the features that it will contain

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Project Idea:

Our project is going to be a web application that is indented to help the college and the students throughout the internship process. Our application will bring the students, the companies, and the internship coordinator together in one platform, in which each will be able to perform some operations. What each member can do on our web site is mentioned briefly in the following sections.

As for the student: Students can make a profile in which they can add their personal information. They can make a portfolio in which they can upload their resumes, projects, and reference letters, so that they can present themselves. Students will be able to see the internships offered by the companies and apply.

As for the companies: Partnered companies with Vanier, will have an account (login credentials). Responsible people from the companies will be able to add their internship posts (not jobs) including some information about the company, internship details, contact information, etc. Employers will have access to see students’ portfolios. If they like a student portfolio they will be able to contact that student.

As for the staff member: A Staff member from Vanier, could be the internship coordinator or the pedagogical counsellor, or both. Staff members will be able to see students’ profiles, remove students if need be. They will add companies and will be able to see the company postings. A staff member will be able to modify/remove a post in coordination with the company responsible for it.

Conclusion:

We believe our application would be a good addition to Vanier Internship system. It will facilitate the searching process for the interns, as well as for employers to find matching potential students for their internship openings. This is a brief description of our idea. If there is any part(s) that need more clarifications, we will be happy to do that.

**Internship Tool**

Student actor:

* Sign up (cohort is a number, department is a drop-down list)
* Log in
* Homepage (3 most recent added internship posts, View Internship Details, 2 most recent applications)
* Profile(display: picture, personal info, portfolio files and links)
* Internships (View Internship Details, Search bar [by internship title])
* View Internship Details (Display internship details, apply)
* My Applications (Display a table with all the applications, internship title as a hyperlink, status [updated by the company] column)
* Settings (edit personal info, add files, add links, update files, update links, remove files, remove links, deactivate account)

Company actor:

* Sign up
* Log in
* Homepage (company info, internship offers’ list, add button, edit button)
* Add internship page
* Edit internship page (edit internship details, remove internship)
* Students applied for the internships (Table [internship title, student, date of application], student name is a hyperlink to the student profile, update the status [change it to accepted or rejected], Search bar [by internship title])
* Settings (edit company info, deactivate account)

1. **TASKS PLAN** (tasks names and estimated completion dates)
   1. List of features, tasks, or user stories, to achieve and estimated completion dates

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|  |  |
| --- | --- |
| **Task** | **Due** |
| Front-End HTML, CSS JavaScript   * No layout issues * No JavaScript errors | 20% |
| MVC implementation | 20% |
| Errors handling   * No errors in the execution that breaks the program | 5% |
| Logging | 5% |
| Login Functionality | 10% |
| Listing Page | 5% |
| Search | 5% |
| Edit Page | 5% |
| Use of Ajax | 5% |
| Accessing external APIs | 5% |
| Database   * Adequate normalization level: data is separated into tables according to a relational model and relationships are established | 5% |
| Use of canonical URLs and rewrite | 5% |
| Use of custom 404 error page | 5% |

**Development Time Estimates**

**Internship Tool Project**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Design** | **Front-End** | **Back-End** |
| **Hours** | | |
| **Web Pages** |  |  |  |
| Login |  |  |  |
| Sign up (Student) |  |  |  |
| Homepage (Student) |  |  |  |
| Profile |  |  |  |
| Internships |  |  |  |
| View Internship Details |  |  |  |
| My applications |  |  |  |
| Settings (Student) |  |  |  |
| Sign up (Company) |  |  |  |
| Homepage (Company) |  |  |  |
| Add Internship |  |  |  |
| Edit Internship |  |  |  |
| Applied Students |  |  |  |
| Settings (Company) |  |  |  |
| **Components** |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Integrations** |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **CMS Integration** |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Theming** |  |  |  |
| Theming |  |  |  |
| **Database** |  |  |  |
| Database |  |  |  |

1. **SITEMAP**
   1. **At least 6 Potential Pages**

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Main Page: Login – Sign up

Login: As a Student – As a Company

As a Student: Home – profile – Internships – My Applications – Settings

Home: View Internship Details

Internships: View Internship Details

View Internship Details: Apply

My Applications: Click on internship title to -> View Internship Details

As a Company: Home – Applied Students – Settings

Home: Add Internship – Edit Internship

Applied Students: click on student name -> Student Profile

Figure 1 Sitemap

1. **WIREFRAMES**
   1. **for the 3 web pages that will be implemented**
      1. **Main page**
      2. **Login page**
      3. **A Listing Page**
      4. **A page with an Edit Form**

// add text here

We can sub-select Only the students and Company parts only?