**Tyler Carrier**

**Software Engineering**

**2/6/19**

**Box #88**

**Project Quote**

**Overview:**

The primary goal of this project is to create a navigable interface which will allow the user to search through a database of Cairn University alumni. The interface will include individual alumni pages which faculty will be able to find out useful information about said alumni.

**Value:**

This project will produce multiple benefits for Cairn University. It will allow Cairn faculty to easily find out information about alumni. This will allow Cairn faculty to be able to keep in touch with alumni and potentially encourage them to be more involved with Cairn University upon their graduation whether that means giving financial donations, connecting with students, giving a speech, etc... A strong connection between students of Cairn University and its alumni could be a strong selling point for the university. Therefore, this could overall increase the enrollment of Cairn University.

**Project Structure:**

|  |  |
| --- | --- |
|  | **-DESKTOP APPLICATION-** |
| 1 | **Faculty Login Page** |
| 1.1 | Create Login Page which will verify the user and direct them to Home Page (see no. 3) |
| 1.2 | Include link which will bring user to Faculty Registration/Validation Page if they have not yet created an account (see no. 2) |
| 2 | **Faculty Registration/Validation Page** |
| 2.1 | Create multiple input boxes requesting basic information as well as an email, username, and password creation |
| 2.2 | Create submit button to finalize registration. If email domain is not cairn.edu, return an error |
| 2.3 | Before account is verified, user must verify email to confirm their Cairn email is valid. Upon confirmation, user will be directed to Account Verified Page (see no. 10) |
| 3 | **Home Page** |
| 3.1 | Create search bar with search button. Search button will bring user to No Results Page/Results Page (see no. 4 / no. 5) |
| 3.2 | Below search section, create link to web-based Alumni hub (Alumni Login Page- see no. 7) |
| 4 | **No Results Page** |
| 4.1 | Create a page which displays some text that tells the user there are no results to their search |
| 4.2 | Include search bar, search button, and a home button above page for ease of navigation |
| 5 | **Results Page** |
| 5.1 | Create a page which displays the results of the search. The results will include individual rows of alumni returned from the search |
| 5.2 | Create a button which will be displayed next to each of the alumni. This button will bring the user to the Faculty-viewed Alumni Profile Page (see no. 6) |
| 5.3 | Include search bar, search button, and a home button above page for ease of navigation |
| 6 | **Faculty-viewed Alumni Profile Page** |
| 6.1 | Create a page which will display the alumni’s name and include all information retrieved from when the alumni page was created |
| 6.2 | Include search bar, search button, and a home button above page for ease of navigation |
|  | **-WEB-BASED APPLICATION-** |
| 7 | **Alumni Login Page** |
| 7.1 | Create Login Page which will verify the user and direct them to Alumni Profile Page (see no. 11) |
| 7.2 | Include link which will bring user to Alumni Registration/Validation Page if they have not yet created an account (see no. 8) |
| 8 | **Alumni Registration/Validation Page** |
| 8.1 | Create multiple input boxes requesting email, username, and password creation |
| 8.2 | Create submit button to finalize registration. When clicked bring alumni to Verification Needed Page (see no. 9). Before account is finalized, user must verify account from an automated email to confirm their email is valid. Once email is verified alumni will be able to login and access their account page |
| 9 | **Verification Needed Page** |
| 9.1 | Display some text which says the account was created, and the user needs to check email and verify account before logging in |
| 10 | **Account Verified Page** |
| 10.1 | Create a page which the alumni will be directed to after their account has been verified through email link. Include link to Alumni Login Page (see no. 7) |
| 11 | **Alumni Profile Page** |
| 11.1 | Create a page which will display all information about Alumni. Include link which will direct alumni to Alumni Edit Page (see no. 12) |
| 12 | **Alumni Edit Page** |
| 12.1 | Create multiple input boxes which will require all necessary information that user will be able to view on Alumni Profile Page (see no. 4) and Faculty-viewed Alumni Profile Page (see no. 11). Include a submit button which will input new information and bring user to Successful Submission Page (see no. 13) |
| 13 | **Successful Submission Page** |
| 13.1 | Create a page which displays some text that tells the user that the alumni page was edited successfully. Include link which will direct alumni to Alumni Profile Page (see no. 11) |

**Rates:**

|  |  |  |
| --- | --- | --- |
|  | **Hours** | **Cost/hour** |
| **Planning & Documentation** | 15 | $100 |
| **Design** | 15 | $90 |
| **Coding** | 25 | $120 |
| **Testing** | 15 | $100 |
| **Remediation** | 10 | $110 |
| **Training** | 20 | $70 |
| **Deployment** | 10 | $90 |
| **Hypercare support** | 8 | $80 |
| **Contingency/Unforeseen** | 10 | $95 |

**Timeline:**

Planning & Documentation: 2/6/19

Design: 2/6/19

Coding: 2/6/19 - 3/24/19

Testing: 3/25/19 - 4/6/19

Remediation: 4/7/19 - 4/21/19

Training: 4/21/19 - 5/8/19

Deployment: 4/22/19

Hypercare support: 4/23/19 - 4/30/19

Ongoing support: 5/1/19 -

**Signatures:**

**Project Manager:**

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*Print Name*

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*Signature* *Date*

**Client:**

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*Print Name*

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*Signature* *Date*