Higher Nationals in Computing

**COMP1640**

**WEB ENTERPRISE**

**REPORT FRONT SHEET**

|  |  |  |  |
| --- | --- | --- | --- |
| **Qualification** | **COMP 1640 Web Enterprise** | | |
| **Submission date** |  | **Date Received 1st submission** |  |
| **Group Number: 38** | **Student Names & ID** | **Final scores** | **Signatures** |
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| **Student declaration**  I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice. | | | |

**Grading grid**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P1 | P2 | P3 | P4 | M1 | M2 | M3 | D1 | D2 |
|  |  |  |  |  |  |  |  |  |

Table of Contents

1. **Introduction**

Built with Node.js, HTML5, CSS3, SCSS, JavaScript, and MongoDB, VIGGA is an enterprise-level website. This webpage will be released to the public via Vercel. This report serves as a synopsis of our website, which is comprised of four primary parts: a group repository, a database, a site design, as well as other functionalities.

1. **Archive for the group**
2. **Source Code**

All of our code is hosted on GitHub, where it is easy to make modifications and contribute. also, our group's GitHub profile is down below:

* For our group's GitHub, please click here: <https://github.com/BuuMJ/ProjectVigga>
* Account: [nxt03091999@gmail.com](mailto:nxt03091999@gmail.com)

Password: Xuantruong2010

Thêm ảnh github vào

1. **Test Log**
2. **Sitemap**
3. **Management of Contributions**

We are using Trello to allocate everyone's time and effort fairly throughout the project.

* For our group's Trello, please click here: <https://trello.com/b/iXzgO4Cm/to-do>
* Account: [nxt03091999@gmail.com](mailto:nxt03091999@gmail.com)
* Password: Xuantruong2010

Thêm ảnh Trello vào

1. **Deployment of a Website**

After considerable thought, we signed up with Vercel and made our website public.

With the help of Vercel, our website can now be found at ( them link trang web khi deploy lên)

1. **Database**
2. **ERD (Entity Relationships Diagram)**

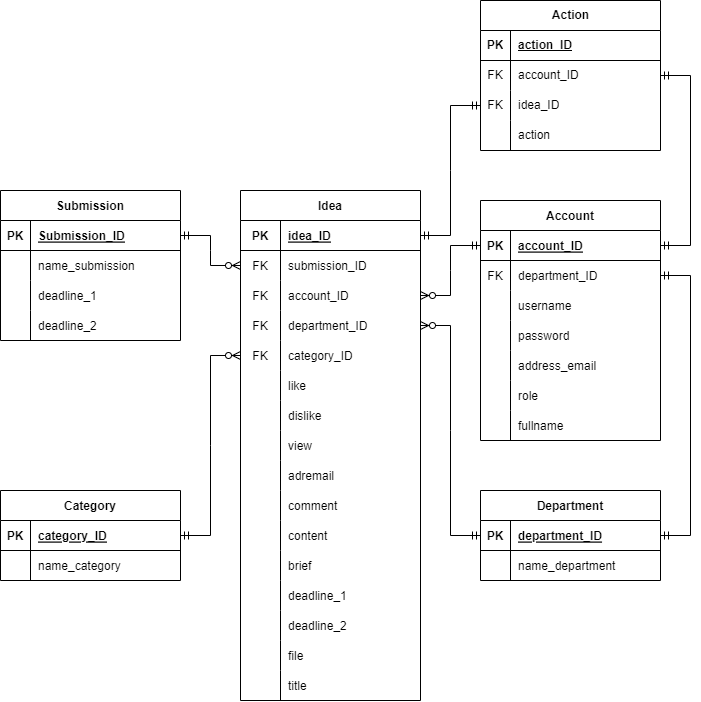


Figure 1 Entity Relationship Diagram

1. **MongoDB**
2. **Safeguarding Database Information**

As to the dataset, we did not specify a unique identifier for each field of data but instead let the system generate a random ID. When a Admin signs up for a service or alters user's existing password, a new one is generated in the form of a hash using an encoding method we developed. An encoded password is shown in the illustration below.

1. **System Roles**
2. **Functionality**
3. **Product backlogs**

|  |  |  |
| --- | --- | --- |
| **Number** | **User Story** | **Priority** |
| 1 | As a user, I want the application's UI to be appealing to consumers without being overly fancy. So that new users may quickly become familiar with the system, functions should be straightforward and intuitive. |  |
| 2 | Users must have an account in order to access the system's features. Because we must monitor and regulate the activity of system user accounts. |  |
| 3 | Error messages should inform consumers of their mistakes and minimize the number of messages for a better user experience. |  |
| 4 | Users must keep their information up-to-date so that administrators can handle it with ease. |  |
| 5 | There should be a distinct category for each type of idea to facilitate retrieval and management of data. Also, users may discriminate between distinct categories of ideas, making it easier to collect user suggestions. |  |
| 6 | The homepage should be made attractively to attract users. |  |
| 7 | As a user, I want each page's layout and color to remain identical, so that the website's primary color does not vary, hence generating website cohesion. |  |
| 8 | As a manager, I would want to be able to download user-uploaded files and photographs to help the comparison and assessment of ideas. |  |

1. **Use Case Diagram**

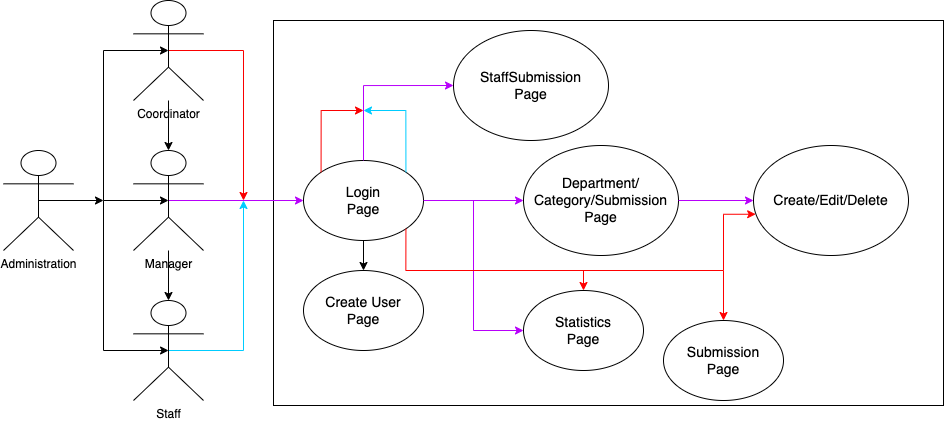


Figure 2 Use case diagram

1. **Activity Diagram**