**Cat Fact Generator System Design**

Rayanna Dunn

Information Technology

CSC272: Principles of System Design

Christopher Cunningham

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**Individual Project Objectives:**

The web application to be developed will be a generator that, when used, will display a random cat fact. The developer will utilize this application to create and test the project's functionality and presentation. Once completed, the project will be submitted to the project manager for approval. Further updates will be acknowledged and recorded in this document.

**Project Team Members:**

Customers: To be Determined

Developers: Rayanna Monét Dunn

Users: Developer and Project Manager

Project Manager: Christopher Cunningham

**Individual Project Deliverables:**

Functional Requirements:

1. The application should be capable of generating random facts without repetitive succession.
2. The database must contain a wide range of facts.
3. Facts must be accurate and verifiable.

**Project Supporting Resources:**

Database Creation: An API to use as the generators’ selection.

Risks and Constraints: Possibility of overabundance of code to debug; may include incoherency between back-end and front-end data.

**Individual Project Schedule:**

The following should be completed in 5 or less weeks.

**Project Progress Report – Week 2**

**Cat Fact Generator System Design Application**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Activity** | **Tasks** | **Start Date** | **Time spent (minutes)** | **Status Complete/In Progress** | **Comments** |
| **Requirements Analysis** | Take the API and apply it to the program | 2/15/2024 |  | In progress |  |
| **Design** | There is no design as of now, only HTML and JavaScript | N/A |  | In progress |  |
| **Coding** | Organize the code to fit the applications’ subject. |  |  |  |  |
| **Testing** |  |  |  |  |  |
| **Deployment** |  |  |  |  |  |
|  |  |  |  |  |  |

Brief evaluation of the achievements measured against the Project activities, tasks, and outputs/outcomes as set out in the Project Plan

|  |  |  |
| --- | --- | --- |
| **Barriers Encountered/Risks** | **What you attempted** | **Outcome** |
| There is much code to sort through so that it may be difficult. | Implemented data from the API to JavaScript. | I was overwhelmed and asked my sister for help on her next visit. |
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Barriers (if any) encountered/risks addressed in conducting the project.

**Overall Progress Summary**

In two or three paragraphs, summarize this week’s progress of the project.

I looked through the API and saw it fit to use with what I imagined would be easy; however, upon further evaluation, it appears that APIs can be hard to read and sort through to the untrained eye. I implemented the data in Visual Studio, and it wasn't easy to distinguish code when given in full. I will ask my sister for assistance as she is literate in JavaScript’s language.

I will continue to work on this in week 3 to begin the HTML document and apply it to the database. This would have been accomplished this week if I had been aware of how I would construe the database. Nevertheless, this has been regarded and will be acknowledged as a reference for future assignments.

**Project Progress Report – Week 3**

**Cat Fact Generator System Design Application**

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| --- | --- | --- | --- | --- | --- |
| **Activity** | **Tasks** | **Start Date** | **Time spent (minutes)** | **Status Complete/In Progress** | **Comments** |
| **Requirements Analysis** | Write the front-end code using HTML | 2/24/2024 |  | In progress |  |
| **Design** | There is no design as of now, only HTML and JavaScript | Week 4 |  | In progress |  |
| **Coding** | Make one HTML page that informs the user | 2/24/2024 |  |  |  |
| **Testing** |  |  |  |  |  |
| **Deployment** |  |  |  |  |  |
|  |  |  |  |  |  |

Brief evaluation of the achievements measured against the Project activities, tasks, and outputs/outcomes as set out in the Project Plan

|  |  |  |
| --- | --- | --- |
| **Barriers Encountered/Risks** | **What you attempted** | **Outcome** |
| Not many barriers since this is straight-forward | To develop a page using HTML | Developed a page using HTML |
|  |  |  |
|  |  |  |

Barriers (if any) encountered/risks addressed in conducting the project.

**Overall Progress Summary**

Initially, I was going to code on Friday, but the internet went out due to environmental circumstances, and I did not log in on my desktop. On that day, my sister informed me that APIs are the last thing to implement when making an application since it is data that has already been made and only needs to be called. On Saturday, I began working on the front end of my application and used HTML. I created one HTML document that informs the user what the web page does; next week, I will design the web page simplistically and have the website call the database so it can function.