**Table of Contents**

1. Introduction 1
2. Project Organization 1
3. Risk Analysis 2

* Late Delivery
* Communication Breakdown
* Project Changes
* Hardware Difficulties
* Software Difficulties
* Sharing Difficulties

1. Risk Probability and Effect 3
2. Schedule Risks 3
3. Technical Risks 3
4. Resource Risks 3
5. Scope Risks 3
6. Financial Risks 3
7. Hardware and Software Requirements 4
8. Work Breakdown 5
9. Work Breakdown Chart 1 6
10. Work Breakdown Chart 2 7
11. Project Schedule 7
12. Monitoring and Reporting Mechanisms 8

* Trello Boards
* Github
* Discord

1. Appendix 9

* Works Cited

17. Code Link, Screenshots, and Video 10-14

**Introduction**

This project will be using the medium of a web application to help inform people on different fields within the scope of programming. It will give users a chance to explore what field of programming they would like to specialize in. While programming is a lucrative and widely known field of study it is easy to overlook the different subcategories, such as web design, game design, networking, and other fields, we hope to fully explain all of these and be able to give users a look into what each does and how they can get a head start into that career.

**Project Organization**

|  |  |  |
| --- | --- | --- |
| Position | Name | Description |
| Programmer | Jack | I create the website using HTML for coding the main website. |
| Gathering Content | Alic | Gathers the content for the website |
| Project Manager | Paige | In charge of project organization and communication the professor and other foreign affairs. |
| Tester, CSS | Brendan | Ensures the program runs with few to no flaws and runs well and without interruption. Codes the CSS. |
| Database, Tester | Eric | Creates the database and test the website |

**Risk Analysis**

|  |  |
| --- | --- |
| Risk | Description |
| Late Delivery | Missing the project due date |
| Communication Breakdown | Inability to meet with team mate, either in person or over the internet |
| Project Changes | Changes in the idea of the project as a group |
| Hardware Difficulties | Breakdown of hardware on the end of any group member |
| Software Difficulties | Breakdown of software on the end of any group member |
| Sharing Difficulties | Difficulties or breakdown in the cloud sharing formats of choice (Google drive, Trello, Github) |

|  |  |  |
| --- | --- | --- |
| Risk | Probability | Effect |
| Late Delivery | Low - The Due date is clear and is ready available to view in the course page | Catastrophic - |
| Communication Breakdown | Medium/High - Being 5 adults with wildly different schedules, it makes it very difficult to meet together at the same time | Bad - makes communicating on upcoming projects and due dates very difficult and would likely cause a total halt to the project if not corrected quickly |
| Project Changes | Low/medium - Changes in the direction of the project are to be expected, but major changes are much too difficult to make to warrant them | Tolerable - We can make changes to the project as that is expect, and major changes are not allowed after a certain point. |
| Hardware Difficulties | Medium - Hardware difficulties are unexpected and can differ based on brand and age of each members hardware | Bad - Can shut down one group member for an indeterminate amount of time, slow progress substantially. |
| Software Difficulties | Low - Most software that we are using is reliable | Catastrophic - Being unable to work on the project dues to a lack of software will stop the progress entirely for members |
| Sharing Difficulties | Low - Most cloud platforms are very reliable | Catastrophic - We lose our files stored on cloud platforms or cannot access them as a group |

Schedule Risks: To attempt and mitigate this risk we have decided to have at least one but more likely 2 group meetings a week to make sure that everyone can meet even if we can’t meet all at once.  
  
Technical Risks: To mitigate technical risks everyone is able to communicate in multiple ways to work together on any technical issues.

Resource Risks: We do not believe that any risks are being associated with our resources as everything we need is given to us and readily available.  
  
Scope Risk: Our scope is clearly defined and made clear to each of the members. We have worked together to make our scope understood by everyone and easily available for review.

Financial Risk: There is no financial risk associated with this project as we have no intention of paying for any specialized software. There is a financial cost associated with failing this class and having to pay for it again, however.

**Hardware and Software Requirements**

Hardware Requirements:

* Windows Device
* Monitor
* Interface device/mouse
* Internet

**Software Requirements:**

* Windows Operating System
* Website Software
* Github

**Work Breakdown**

**Work Breakdown Chart 1:**

A diagram of a company

Description automatically generated

**Explanation:**

In this chart, it breaks every small section of the overall development of the website into a structure with each individual task. Since this is a website, we will be developing, there is a front-end (what the user sees) and a back end (database and program). Then there are other tasks that are related, such as user research, which include identifying the problem being solved with this website, and the version control on git.

**Work Breakdown Chart 2:**

A diagram of a computer program

Description automatically generated

**Explanation:**

In this chart, it breaks down how the website will look for most users. The front end shows the user’s information or search, and then adds it to the database. The program can ask the users queries related to them, and that also gets added to the database to find the personality of the user. That is also going to be worked on for the back end of the project.

**Project Schedule**

A screenshot of a computer

Description automatically generated

The project schedule consists of 8 main phases, these include planning, development, device requirements, website development, content, design, testing, and launching. Our team has completed the planning phase, so far, we are finished with the project plan, feasibility study, and risk assessment. The development phase has been completed as well, our team is communicating through discord, and we have figured out our availability. The team has all the device requirements for this project, and we have picked our roles.

**Monitoring and Reporting Mechanisms**

Reporting and monitoring systems that are being used are as follows

* Trello Boards
* Github
* Discord

**Trello Boards:**

* Tasks will be listed out overall step by step as they are planned
* Tasks that are yet to be completed will be listed in the To Do section
* Finished tasks will be in the Done section, this makes it easier to distinguish assignments for the project.

**Github**

* Github will be used as main version control and communication for code interfaces.
* A repository will be found on the trello board.

**Discord**

* Used as main communication for questions and collaboration
* Team meetings will be held on discord
* Updates, files and other important information will be shared through Discord.

**Appendix**

In summary, the agenda for this group project plan is to work together to form a website that directs people to their preferred fields in programming. This website will help users decide their programming language and how they will use it for programming.

**Works Cited**

Textbook Chapter 22 and 23

**Code Link:** [**https://github.com/PaigeBates7/Final\_Project\_Team1.git**](https://github.com/PaigeBates7/Final_Project_Team1.git)

**Screenshots:**

**127.0.0.1:8000/admin/**

A screenshot of a computer

Description automatically generated

**127.0.0.1:8000**

A screenshot of a computer code

Description automatically generated

**127.0.0.1:8000/aboutUs**

A group of people sitting around a table with computers

Description automatically generated

A screenshot of a computer

Description automatically generated

**127.0.0.1:800/programmingFields**

A screenshot of a computer

Description automatically generated

**127.0.0.1:8000/dictionary**

A close-up of a book

Description automatically generated

**127.0.01:8000/career/7/skills**

A close-up of an open book

Description automatically generated

**Video Demonstration**

**<https://d.docs.live.net/65e7e1be736bc5e3/Attachments/SDEV265-SSA%5e0Prj/IMG_5268%20(1).mov>**

****

**Double click image to open video if link does not work.**