

Kelvin

David

Micheal

PROJECT NO.	DATE SUBMITTED
69-420-666	11/27/2020

### PROJECT OBJECTIVES

Describe the high-level goals of the project and how they relate to overall business objectives. Include measurable success criteria. Cost, scheduling, and quality targets should list an absolute or relative value.

#### Overall:

- A web resource is created to aid in the efforts to eliminate wage gap(s)
- To serve as a resource for corporations to aid in mitigating the wage gap among genders and ethnical groups. They can see if their policies are in line with everyone else.
- To provide equality movements with data to monitor progress and justify their cause
- Make groups of individuals with similar credentials/occupations aware of their earnings in comparison. Allow individuals to find out which corporations are of equality regarding wages.

#### Costs:

- Free programming tools (Repl.it)
- Server/database hosting
- Maintenance, redundancy, Register web domain + host (Education Host)

#### Scheduling — “finish by” dates (More detail in [Project Constraints](#) section)

- Planning 11/27/2020
  - Software Scope
  - WBS
  - QA Plan
  - Calendar
- Implementation
  - Research (Dec. 5)
  - Building application (Jan. 15)
  - QA (Jan. 25)
- Launch of website 1/29/2021
- End of project 2/23/2021

#### Quality (Additional detail in [SQA document](#))

- To have a stable/reliable database and web page interface, it can handle multiple users

- Professional design, user interface is easy to use (browse by categories, search function, non-intrusive design)
- Information presented in meaningful way for peoples to understand, not just random numbers on page

Success Criteria

- People are provided with meaningful information (people can come to conclusion)
- Data is displayed in a way that is simple to understand
- Visually, web portal is modern and professional — does not look like a scam site
- Webpage easy to use — random outsiders should be able to utilize it without much assistance

Other Notes

- We are a not for profit organization, there is not intention for this project to make money

## Project Deliverables

DELIVERABLE NO.	DESCRIPTION
1 website	List all project deliverables and briefly describe each. Do not list dates.  There will be a website that will have the function of allowing the user to figure out if his wage is below or above average.
2 Infographics	Infographic images to put into the website and use to promote our project
3 Software Scope Document	A document used to see what can be done and not done in the time we have to complete this project. Also includes things like what will be
4. Work Breakdown Structure	A google sheet that shows the breakdown of how we are going to complete this project along with assigning who is responsible for certain aspects of the project.
5. Social media accounts	Making accounts for multiple different social media platforms (mainly instagram, facebook) in order to promote our project to others. This would also include an email account we would create so users have a way to contact us.
6. Software Quality Assurance	A google document that will serve as an outline for what needs to be done in the project. This document also ensures that we have taken all the necessary steps so that our product looks and works as intended.

7. Prototype	An almost finished version of the website used to send to mutual friends in order to gain feedback. The product won't be fully finished and may need debugging.
8. Reflection	A document every member of the group will finish individually that will have thoughts about the assignment and answer the given questions from the teacher.

### List of Project Tasks

List all project tasks to be completed, based on the deliverables listed in the previous section. Do not list dates. Add more rows as necessary.

*Alternatively, you can attach your work breakdown structure (WBS) to the scope statement.*

<b>Work breakdown structure (WBS) attached</b>	<b>NO</b>		<b>YES</b>	<b>X</b>
<i>Provide link, if applicable.</i>	<a href="#">Work Breakdown Structure</a>			

TASK NO.	DESCRIPTION	FOR DELIVERABLE NO. ... ENTER TASK #
1	Brainstorming	1, 7
2	Prototyping the website design	1, 7
3	Software Scope	3
4	Software Quality Assurance	6,7
5	Database on incomes and jobs	1
6	Final Layout and design of the website	1

7	Sign in option	1
8	About/ information sections that help inform the user about why the issue about wage gaps is so important	1,2
9	Advertising/ social media	5,2
10	Testing Functionality	1, 6
11	Setting up domain and hosting	1
12	Customer support	6
13	Research	1,2
14	Reflection	8

### Out of Scope

<p>This project <b>will NOT accomplish or include</b> the following:</p>	<p>List deliverables or tasks that you will not complete or provide as outputs of this project.</p> <ul style="list-style-type: none"> <li>● Directly help the users with wage gap issues</li> <li>● Directly pressure companies</li> <li>● Compatibility with all types of devices</li> <li>● Direct way to access the source code</li> <li>● Include bots that will monitor the site</li> </ul>
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### Wishlist

**If there is time,**  
 this project **will accomplish or include** the following:

- Multi-Platform/Creating an app or more mobile friendly website
- Live database - really hoping we can do this but we might not have enough time to figure this one out.
  - Have a way to actually confirm the information entered by people (might have people that lie about their income and troll the website). This problem might occur if a live database is created
- Collaborate with unions and see if they can send data? We can probably try to contact them, but actually convincing them might take a long time.
- Encryption of data - basically all of the information in our database will be publicly available, so encryption isn't necessarily needed though it would be nice to have.
- Interactive graphs/ elements that help emphasize how big wage gaps can be
- Having a separate interface on the website that deals with editing the database, (so we don't need to do it manually through the files)
- Find press or other organisations that would advertise this good cause for free.
- A way to toggle a dark mode on the website, (it seems like everyone is racing to create a dark mode for their apps/websites)
- An interface to edit the website on its own instead of going through the code directly
- Introduction video on the homepage that explains what the website does and give a quick tutorial

## Project Assumptions

NO.	ASSUMPTION
1	List any project factors that you consider to be true, real, or certain. <ul style="list-style-type: none"> <li>● A website will exist</li> <li>● The website will shed light on the wage gap issue</li> <li>● This website will accurately tell a user if their annual wage is above or below average</li> <li>● There will be infographics that will be used in order to promote the website on social medias as well as be used as images in our website</li> </ul>
2	Assumptions generally involve a certain degree of risk. <ul style="list-style-type: none"> <li>● Our database will be 100% functional</li> <li>● The database will possess 100% credible information to compare users info to</li> <li>● The database will include a great amount of other users</li> <li>● We will get unions to collaborate with us to send accurate information to our database</li> </ul>

	<ul style="list-style-type: none"> <li>The website will have a friendly and aesthetically pleasing UI</li> </ul>
3	<p>Describe the potential impact of assumptions should they prove to be false.</p> <ul style="list-style-type: none"> <li>Database not being functional can lead to the user gaining false information on his/her annual wage</li> <li>If we do not get unions to collaborate with us, we may not receive enough information to accurately compare a users info with. Credibility of our database drops.</li> <li>Not having a good looking friendly UI may turn off users from using the website in total</li> </ul>

### Project Constraints

<b>PROJECT START DATE</b>	11/23/2020
<b>LAUNCH / GO-LIVE DATE</b>	01/29/2021
<b>PROJECT END DATE</b>	02/05/2021
<b>LIST ANY HARD DEADLINE(S)</b>	<ul style="list-style-type: none"> <li>Project planning due date - November 27th 2020 <ul style="list-style-type: none"> <li>Software Scope doc</li> <li>Work breakdown structure</li> <li>Software quality assurance plan</li> <li>Create calendar so clear goals are set</li> </ul> </li> <li>Launch of website - January 29th 2021</li> <li>Project end - February 5th 2021</li> </ul>
<b>LIST OTHER DATES / DESCRIPTIONS OF KEY MILESTONES</b>	<ul style="list-style-type: none"> <li>Reviewing and practicing our skills in html, css, and javascript would be nice. This would be done while we handle the project planning documents, so this review period should be done by November 27th 2020.</li> <li>Finish research and gather some basic income information so we can have a sizable database of incomes/jobs. Could be found on websites like Job Bank Canada. - December 5th</li> <li>Finish research about the impact of wage gaps/ why it is important - December 12th</li> <li>Complete basic framework of the website, including the database - January 8th</li> <li>Finalize styling and finishing touches - January 15th</li> <li>Finish quality testing - January 25th</li> <li>Final changes and preparation for launch - January 28th</li> </ul>

<p><b>BUDGET CONSTRAINTS</b></p>	<ul style="list-style-type: none"> <li>• This project will be done in our free time, so there will not be any costs in developing the website.</li> <li>• We will be using only free software like repl.it, google docs, etc to help us with the development.</li> <li>• For marketing, we will be using social media, so there will be no costs there.</li> <li>• For the hosting of the website, we will be using free hosting websites like Education Host - they provide this free service to any student developers.</li> </ul>
<p><b>QUALITY OR PERFORMANCE CONSTRAINTS</b></p>	<p>Hardware:</p> <ul style="list-style-type: none"> <li>• Processor: x86 or x64</li> <li>• RAM : 512 MB (minimum), 1 GB (recommended)</li> </ul> <p>Software:</p> <ul style="list-style-type: none"> <li>• Any internet browser like Chrome, Firefox, or Safari that is able to run Javascript programs</li> </ul> <p>Compatible operating systems include but not limited to:</p> <ul style="list-style-type: none"> <li>• Window 7, windows 8, windows 8.1, windows 10 or later</li> <li>• OS X Yosemite 10.10 or later</li> <li>• 64-bit Ubuntu 14.04+, Debian 8+, openSUSE 13.3+, or Fedora Linux 24+</li> </ul>
<p><b>EQUIPMENT / PERSONNEL CONSTRAINTS</b></p>	<p>This project has a limit of 2-3 group members, so we won't be able to accept another person to help us in this project.</p> <p>We will be limited to using desktops/ laptops for this project because we are planning on using repl.it to develop our project. Though it is technically possible to work on our phones, it is much easier to just use a desktop/ laptop.</p> <p>For software testing, we are fairly limited due to our current situation. For testing, it is better to have someone test our website in person so they can more readily ask questions or offer up constructive criticism. It is also hard to find people to help test the project outside of this class. We could probably find 3-5 people in total to help us test the project. We expect most of the testing to be from the same class.</p>

<b>REGULATORY CONSTRAINTS</b>	<ul style="list-style-type: none"> <li>• Some sort of privacy policy</li> <li>• Using creative common media throughout the website</li> </ul>
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**Approvals**

STAKEHOLDER NAME & TITLE	ROLE OF STAKEHOLDER / APPROVER	DATE SUBMITTED FOR APPROVAL	DATE APPROVAL RECEIVED
Our Majesty Mr. Seidel the Great	The Supreme Ruler of the Emphyrean Classroom	11/27/2020	Awaiting
Gloria L. Blackwell	Senior VP of Fellowships & Programs of AAUW	11/26/2020	Awaiting
Mark Hancock	President of CUPE (Canadian Union of Public Employees)	11/26/2020	Awaiting
Guy Ryder	Director-General of ILO (International Labour Organization)	11/27/2020	Awaiting