**Computer Engineering Technology Program**

**Project I, ENG4001**

Project Requirements Analysis Report for:

**Mielke**

Student Developers:

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Industrial Supervisor:

Sue McGarvie

Faculty Supervisor:

Leanna Seaward

Date: April, … 2021

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# Introduction

## Functional and Non-functional Requirements

Explain …

## Scope

Explain …

## Specifications

Explain …

## Assumptions

The team assumes the client will provide (buy) a domain name and a subscription to Wix web services to continue to keep the site running. We will also assume the client will provide us with all their radio, podcasts and/or websites relating to their radio station to link it to the website.

# Schedule

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Task Description** | **Task Duration** | **Due Date** |
| 1. Research | Research radios in the Ottawa area and what platforms they use for broadcasting | 1 week | March 18, 2024 |
| 1. Create / Decide on Website | Decide which website platform we will use for the project | 1 week | March 25, 2024 |
| 1. Plan | Start planning what pages we might need for the website and their layouts | 2 weeks | April 1st 2024 |
| 1. Implement | Work on implementing the podcast search functionality with a few Ottawa podcasts (notably Sue’s podcasts) | 2 weeks | April 8th 2024 |
| 1. Review & Document | Review website page and document processes as needed | 1 month | April 12th, 2024 |
| 1. Work on next pages of the website | We will work on the rest of the web pages required for the website such as a description box for each radio podcast | 1month | May 20th, 2024 |
| 1. Link web pages with API’s | The implementation on API’s will allow us to scrape relevant data to link the data to the site | 3 weeks | June 10th , 2024 |
| 1. Review and edit descriptions | Review all webpages for spelling errors and accurate descriptions | 3 weeks | July 8th , 2024 |
| 1. Update documentation | Update the final documentation for the client | 3 weeks | July 31st , 2024 |

# Resources

Explain …

# Communication Plan

Explain …

# Risks

Explain …

# Manufacturing and/or Test/Evaluation

Explain …

# Procurement

We will require a domain name from a domain provider, the cheapest domain provider found as nameheap.com offering the domain findottawaradio.ca for C$16.26 / year.

We will also require a subscription to the web hosting service wix, offering monthly subscriptions at $22.00 / month.

Bringing the total procurement cost to $22.35 a month.

# Intellectual Property

Explain …

# Safety

Explain …

Introduction can be taken from writing done in by your group in ENL 4001

In this preliminary report you should be focusing more on WHAT needs to be built and not how

HOW can be figured out during your research phase

However, your client may have restrictions on how it must be done and you should list those under Specifications

Functional Requirements should be in priority order

Ideally functional requirements should be written as user stories for maximum marks

Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| Content | 0 | 0.5 | 1 |
| Introduction | Missing or fails to summarize client and what needs to be built | Gives some information about the project but many questions are not answered and it is too short | A good summary which gives a good overview of the client and what needs to be built. Length is appropriate (about 10 sentences) |
| Functional and Non-Functional Requirements | Vague  Not enough to begin planning  Does not use complete sentences | Shows some good requirements but is not thorough | Functional requirements are in the form of user stories. There are 15-20 and they are descriptive and describe what must be built.Non functional requirements address security/efriciency and UI as appropriate |
| Scope | Missing or way too brief | What is in scope is specified but not what is not in scope | Specifies exactly what is in and out of scope |
| Specifications | Missing | Specifications are given but not specific enough | Specifications are precise ie. If you must use Widget X then specify the current version/build etc |
| Assumptions | Missing or says no assumptions | Too obvious  I assume the client will cooperate, I assume my teammates will help me | Professional and states things you assume the client or other person will provide “The team assumes the client will provide data which meets these specification” |
| Schedule | Missing or too high level (this will be done by the end…) | Shows how phases will work and when milstones are expected over the next 8 months | Shows how phases will work and when milstones are expected over the next 8 months with a Gantt chart or other scheduling diagram or tool |
| Resources | Missing or vague | States what resources are needed but is not specific and alternatives are not provided | States what you think you will need, how you will get it and how much it will cost including alternatives and specifics |
| Communication Plan | Missing or too vague  We will meet once a week is not specific enough - When and Where! | Plan shows when meetings and communication will take place but lacks specifics | In a written and visual form state how often you will communicate with client (expected), when team meetings will occur and when and how scrum meetings will take place. You may also have a plan of when to book rooms to code together |
| Risks | Missing or too vague  The client will b mad/lose money if we fail | Shows 1 risk which is thoughtful and specific | Shows 2 or more risks associated with anticipated project problems such as lack of access to resources or data |
| Test/Evaluation | Missing or Vague  We will test it… | Desribes how a test plan will be implemented but does not use any specifics | Describes how the test plan will use unit testing, prototyping, UI testing etc. Details of when and how are given. |
| Procurement | Missing or states nothing needed when I know this is not likely true\* | States materials are needed but without specifics/alternatives/costs/where it can be bought | Ny materials needed are fully detailed with specifics/alternatives/costs etc  Alternatively you correctly state not materials/licenses are needed (why is it free/open cource/ etc.)  You state materials are needed and it is the teams job to assess procurement details during the research phase |
| Intellectual Property | TBD\* |  |  |
| Safety | Missing or blank | States Safety Risks which are no reasonable or which do not have mitigation | States any Safety Risks and how they will be mitigated  Or  States No safety risks but without a complete sentence |

<https://www.algonquincollege.com/policies/files/2011/12/RE05.pdf>

I will talk to Amanda as to how this should be worded