**COMP3059 - Capstone Project I**

**Sprint 4**

**Wireframe/Prototype, Technical Requirements Assignment**

|  |  |
| --- | --- |
| Industry Partner | JC Consulting |
| Primary Instructor | Anjana Shah |
| Team Member | Abdallahman Habyarimana – 101087205 |
| Team Member | Anushka Aggarwal – 101195651 |
| Team Member | Renata Moura - 101096098 |

Document Revision History

|  |  |
| --- | --- |
| Revision # | Date |
| Revison 0 | 11/19/2018 |

1. **Mockup**

Document: F18\_T21\_MockUp\_JC Consulting\_Client Module.pdf



1. **Technology Requirements** 
   1. **Technology:**
      1. Methodology: Scrum

* Decision making with all team
* Constant update
* Suitable for small project
  + 1. Database: MongoDb
* MongoDb is a document database that will provide scalability and flexibility to the project
* It stores data in flexible, JSON documents. Fields can vary from document to document and data structure can be changed;
* Simple queries, indexing and real time aggregation provide powerful ways to access and analyze data
* It's an open-source
  + 1. Language:
       1. JavaScript
* Ease of syntax, versatility, processing speed
* Extensive library
* Calculate user data dynamically
* Runs on client-side, not on server-side
* Highly approachable and human readable syntax
* JavaScript plays nicely with other languages
* Versatility: There are many ways to use JavaScript through Node.js server
  + - 1. TypeScript
* Designed for development of large applications and compiled to JavaScript
* Used for both client-side and server-side (Node.js) execution
* Optional static typing (the key here is optional). It means types can be added to variables, functions, properties, etc.
* Working with modules and classes easier
* Great tooling support with IntelliSense
  + 1. Framework: MVC
* Is an architectural pattern that separates an application into three main logical components: model, view and controller.
* Used to create scalable and extensible projects
  + 1. Hardware: PC
  1. **Development Plan:**

|  |  |  |  |
| --- | --- | --- | --- |
| Technology: | Team: | Plan: | Resource: |
| Scrum | Renata Moura | Start date: 15/12/2018  End date: 07/01/2019 | Lynda.com  Youtube.com |
| MongoDb | All team | Start date: 15/12/2018  End date: 07/01/2019 | Lynda.com  Youtube.com  w3school.com |
| JavaScript / TypeScript | Renata Moura  Anushka | Start date: 15/12/2018  End date: 07/01/2019 | Lynda.com  Youtube.com  w3school.com |
| MVC | All team | Start date: 15/12/2018  End date: 07/01/2019 | Lynda.com  Youtube.com  w3school.com |