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| **Technical Report** |
| ICTWEB503 – Create Web-based Programs |
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| **[Student Name]** |
| **[Pick the date]** |
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# 

Ensure you have removed all highlighted text (and this text) from this report before submission. This is a template for a technical report and should be presented in a professional manner

# Task 1 - Email

* Screenshot of the hypothetical email to the Project Manager to obtain program specifications, business case scenario and programming guidelines.

# Task 2 – Report

### Hypertext Transfer Protocol (HTTP)

* What is HTTP/1?
* What is HTTP/2?
* Identify the HTTP you would use in your application and explain why.

### Limitations of HTTP

* Outline and explain the limitations of HTTP in developing web-based applications.

### Advantages of HTTP

* Outline and explain the advantages of HTTP in developing web-based applications

### Web Service (API)

### Provide a description of any other applications that the primary web application will connect to or use in the process of normal operation – and whether modifications were required to any external applications / services.

### Web Application (Front End)

* List all the functionality of the web application.  In other words, what are the functions included in your front-end.
* Provide a description of the functionality that needed to be added to the existing web application as per the Client request
  + Provide a description of how this functionality has changed how the web application is used.
* Provide a description of the benefits of the Session management system implemented
* How did you implement sessions management? Describe the methods/tools/frameworks used to allow for use of session variables and the storage of user data
* Screenshot of the code showing session variables

# Task 3 – Development

* Screenshot of the Solution or Project Explorer of your front-end showing all the Folders included in your project – See Task Sheet for what screenshots to take

# Task 4 – Perform Test

Perform testing of the features implemented in the application making sure to test the features in multiple environments and against multiple use-cases – 10+ Testing with some session management

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| **Test Performed** | **Expected Results** | **Actual Results** |
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# Analyse the results and provide a test summary about the errors that occurred during testing and the possible solutions or fixes

# Task 5 – Sign-off Sheet

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| **Project Name:** |  | | |
| **Project Manager:** | Shaun O’Sullivan | | |
| **Start Date:** |  | | |
| **Completion Date:** |  | | |
| **Project Deliverables:** | | | |
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| ***I acknowledge that I have submitted all the stated deliverables as per the Project Requirements and your instructions.*** | | | |
|  | |  |  |
| **Programmer’s Name** | | **Signature** | **Date** |
| Shaun O’Sullivan | |  |  |
| **Project Manager** | | **Signature** | **Date** |