**Technical Report**

Template

Student Name:

Date:

[Part 1 Program and Design Specification 3](#_Toc102110808)

[Program Specifications Report 3](#_Toc102110809)

[Application Logic Requirements 3](#_Toc102110810)

[User Interface 3](#_Toc102110811)

[User Interface Sketches 4](#_Toc102110812)

[Colour Scheme 4](#_Toc102110813)

[Design Scheme 4](#_Toc102110814)

[Part 2 User Interface Design Plan 5](#_Toc102110815)

[Email to the client 5](#_Toc102110816)

[Feedback from the Client/Teacher 5](#_Toc102110817)

[User Interface Plan 5](#_Toc102110818)

[UI sketch for each planned page or form 5](#_Toc102110819)

[User Experience (UX) flowchart 5](#_Toc102110820)

[Interaction Design Patterns 5](#_Toc102110821)

[Client-Side validation techniques that will be implemented 5](#_Toc102110822)

[Plans for providing user interface customisation 5](#_Toc102110823)

[Graphical and Multimedia requirements and planned implementation 5](#_Toc102110824)

[Part 3 Application Development 6](#_Toc102110825)

[Screenshots 6](#_Toc102110826)

[Part 4 Testing + Validation 7](#_Toc102110827)

[Testing Table 7](#_Toc102110828)

[Testing Summary (including testing tools used) 7](#_Toc102110829)

[Testing Screenshots 7](#_Toc102110830)

[Model, View + Controller connection Screenshots 7](#_Toc102110831)

[Client Email demonstrating developed application 8](#_Toc102110832)

[Feedback from the Client/Teacher 8](#_Toc102110833)

[Adjustments made to the application to suit feedback 8](#_Toc102110834)

[Part 5 Handoff 9](#_Toc102110835)

[Client Email 9](#_Toc102110836)

[Sign off sheet 9](#_Toc102110837)

# Part 1 Program and Design Specification

## Program Specifications Report

### Technology

### Development Environment

### Testing Tools

### Application Frameworks or templates

### Operating System and Platform

## Application Logic Requirements

### Application Input + Output

### Data Model for Application

## User Interface

### Navigation methods

### User Interface Sketches

|  |  |
| --- | --- |
| **Screen 1 sketch** | **Screen 2 sketch** |
| **Screen 3 sketch** | **Screen 4 sketch** |

### Colour Scheme

|  |  |
| --- | --- |
| **Colour 1** |  |
| **Colour 2** |  |
| **Colour 3** |  |

### Design Scheme

# Part 2 User Interface Design Plan

## Email to the client

## Feedback from the Client/Teacher

## User Interface Plan

### UI sketch for each planned page or form

### User Experience (UX) flowchart

### Interaction Design Patterns

### Client-Side validation techniques that will be implemented

### Plans for providing user interface customisation

### Graphical and Multimedia requirements and planned implementation

# Part 3 Application Development

## Screenshots

Screenshot of the newly created project in the Chosen Development Environment, Language and Framework

Screenshot of at least one completed data model within the Integrated Development Environment

### Screenshots of the code created in at least one controller to handle the following HTTP Methods:

* HTTP GET
* HTTP POST
* HTTP PUT
* HTTP DELETE

### Screenshots of the created views and source code demonstrating the following points:

* Data being rendered dynamically
* Code used to render data dynamically
* User Customisation view or component
* Rendered Graphics
* Included Multimedia content
* User interface personalisation requirements as defined in the user interface design plan.
* Code demonstrating interaction design patterns on at least 2 occasions
* Code demonstrating the Client Side validation implemented in at least 1 view

# Part 4 Testing + Validation

## Testing Table

|  |  |  |
| --- | --- | --- |
| **Functionality** | **Test** | **Result** |
|  |  |  |
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|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Testing Summary (including testing tools used)

## Testing Screenshots

* Browser testing
* IDE testing

## Model, View + Controller connection Screenshots

* Screenshot of Code demonstrating navigation from one view to another (using controller methods)
* Screenshot of source code of controller returning generated model data
* Screenshot of the view rendering the model data

## Client Email demonstrating developed application

## Feedback from the Client/Teacher

## Adjustments made to the application to suit feedback

# Part 5 Handoff

## Client Email

*Demonstrating any required changes, confirming development completion*

## Sign off sheet

|  |  |  |  |
| --- | --- | --- | --- |
| Project Name: |  | | |
| Project Manager: | [Teachers Name] | | |
| 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.* | | | |
|  | |  |  |
| Developer’s Name | | Signature | Date |
| [Teachers Name] | |  |  |
| Project Manager | | Signature | Date |