**Milestone 3**

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| Test Case ID: | 01 |
| Application: Web/Mobile/Desktop | **WEB** |
| Test Title (and data if applicable): | **Testing responsiveness(website interface)** |
| Expected Result: | **Responsiveness works in mobile and tablets as well** |
| Actual Result: | **The website does work in different screen sizes** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 02 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Testing play again (-2)** |
| Expected Result: | **Invalid character** |
| Actual Result: | **Invalid character** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 03 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Which ticket do you choose(3.00)** |
| Expected Result: | **Ticket chosen is 3.00** |
| Actual Result: | **Ticket chosen is 3.00** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 04 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Gallery shows images and transitions** |
| Expected Result: | **Pictures are displayed and can are transitioned** |
| Actual Result: | **Pictures are displayed** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 05 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Testing Accordion** |
| Expected Result: | **All accordion expand** |
| Actual Result: | **All accordion expand** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 06 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Making sure java data is saved and display in website** |
| Expected Result: | **Data is saved and displayed** |
| Actual Result: | **Data is saved and displayed** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 07 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Email is sent with contact us** |
| Expected Result: | **Email is sent** |
| Actual Result: | **Email is sent** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 08 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter user number (27)** |
| Expected Result: | **Too large try again** |
| Actual Result: | **Too large try again** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 09 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Testing initial deposit(200000)** |
| Expected Result: | **Too much to play try again** |
| Actual Result: | **Too much to play try again** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 10 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter age(t)** |
| Expected Result: | **Letters not allowed** |
| Actual Result: | **Program crashed** |
| Passed: Yes/No | **No** |

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| Test Case ID: | 11 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter age(18)** |
| Expected Result: | **You can play** |
| Actual Result: | **You can play** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 12 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter age(12)** |
| Expected Result: | **Exit** |
| Actual Result: | **Exit** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 13 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter user number(0)** |
| Expected Result: | **Invalid number try again** |
| Actual Result: | **Invalid number try again** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 14 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Enter user number(t)** |
| Expected Result: | **Letters not allowed** |
| Actual Result: | **Error** |
| Passed: Yes/No | **No** |

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| Test Case ID: | 15 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Testing navbar** |
| Expected Result: | **All links work accordingly** |
| Actual Result: | **All links work accordingly** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 16 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Making sure the email works** |
| Expected Result: | **Email is sent** |
| Actual Result: | **Email is sent** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 17 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Making sure registration data is entered in the database** |
| Expected Result: | **Data is entered** |
| Actual Result: | **Data is entered** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 18 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Testing the login(not in database)** |
| Expected Result: | **Password invalid** |
| Actual Result: | **Password invalid** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 19 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Testing the login(valid)** |
| Expected Result: | **Login successful** |
| Actual Result: | **Login successful** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 20 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Making sure the lotto numbers never are the same** |
| Expected Result: | **Lotto numbers are all unique** |
| Actual Result: | **Lotto numbers are all unique** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 21 |
| Application: Web/Mobile/Desktop | **Web** |
| Test Title (and data if applicable): | **Making sure the generate random numbers button works** |
| Expected Result: | **Numbers are generated** |
| Actual Result: | **Numbers are generated** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 22 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **About us is launched when clicked** |
| Expected Result: | **About us is launched** |
| Actual Result: | **About us is launched** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 23 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Do you have a discount(1)** |
| Expected Result: | **Invalid** |
| Actual Result: | **Discount not applied** |
| Passed: Yes/No | **No** |

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| Test Case ID: | 24 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Do you have a discount code(y)** |
| Expected Result: | **Enter discount** |
| Actual Result: | **Enter discount** |
| Passed: Yes/No | **Yes** |

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| Test Case ID: | 25 |
| Application: Web/Mobile/Desktop | **Desktop** |
| Test Title (and data if applicable): | **Do you have a discount code(Y)** |
| Expected Result: | **Enter discount** |
| Actual Result: | **Enter discount** |
| Passed: Yes/No | **Yes** |

• Mention 2 events which happened during the project which caused you to deviate from the schedule as planned in the Gantt chart. (2 marks)

I was sick during the week I had to implement the login, the sending of the receipt was more difficult than expected and so I had to research more and thus the resulted in a later implementation.

Explain how you modified your schedule accordingly. (1 mark)

After I got better I invested as much time as possible trying to finish it so that I would not have fallen behind thus the interaction was modified to be completed three days after. The sending of the receipt was extended to 8 hours instead of 5 since it was more difficult than expected.

• For each of the 2 events discuss what you can do in future projects to prevent these events from happening again. (2 marks)

For when I could get sick I should always do work ahead of time so that if something negative occurs I would not have to worry about the interactions that have to be completed by that date. For the email I could have done more research before so that the difficulty of that interaction would be more understood so that in the gnat chart the duration will be more accurate.

1. Create a video walkthrough of your applications and upload it on YouTube. Provide the link to the video as part of your assignment. (3 marks) b) Share it such that your friends/family can comment about your project. Submit as part of your assignment at least 10 comments from friends/family. (2 marks) c) Explain and analyse these comments and draw any conclusions on your implementations from the comments submitted (minimum of 250 words about each application expected). In this question do not comment on whether you agree with the comments or not. (4 marks)

d) Mention 2 modifications/improvements that can be included in the applications in a future release. (1 mark)

For the video page in the website an upload button could be implemented so that videos could be uploaded directly to the website.

A sign in page in the website could be implemented which would provide more importance to the username and password.

1. Revisit the objectives you wrote in your Proposal document. Were all the objectives achieved? Clearly support your answer (minimum of 250 words expected). (2.5 marks)

Yes every single interaction was achieved implemented into the program. The user does enter 5 numbers, a fully working help section was added to the java program, the contact us works fully, a working generate random numbers button was added into the website, The user does choose the ticket, Enter age, The user does changes colour of website to three different themes, the saving of Lotto numbers that were later displayed in the website also worked, Lotto Strategies and walkthrough Video Page was implemented, the replay game also worked, the music button was implemented, login and logout was successful , entering of discounts worked as well, the gallery is fully functional, the FAQ’s page works , Enter Name and Surname to display later in program and website also worked as expected, the sending of the receipt as email worked as intended as well, the interaction that involved the user entering his initial amount that he wants to deposit was done, A full working Winning calculator was also implemented.

b) State using valid reasoning whether you agree with the comments of your friends/family in light to your YouTube video (minimum of 200 words expected). (2.5 marks)

• Mention 3 personal strengths that you discovered while working on the project (3 marks). • Explain how these strengths helped you in the process (2 marks).

**Creativity**

Creativity has helped me develop a beautiful website, desktop application, and logo which could attract potential customers in the future.

**Love of learning**

Each interaction was developed in a way that was utilised its maximum potential. This is because I kept researching because I wanted a fully working website and also because I found the development process very interesting. This resulted in the project being one of quality.

**Determination**

When an interaction did not work I did not give up and kept trying to figure out the problem so that it would be fixed. This is beneficial because the project will certain not have errors because most of them were already fixed.

• Mention 3 personal weaknesses that you discovered while working on the project (3 marks). • Explain what you can do to improve on these weaknesses (2 marks).

**Time management**

Some interactions were not done on time and this resulted in the completion of those interactions at a later date. This could be improved by having a stricter schedule and trying my best to abide by it.

**Stress Management**

Some interactions carried some stress with them which is not good in a working environment. This could be improved on by taking breaks at times in order to cool off.

**Lack of Experience**

The lack experience I had gave me a disadvantage in certain areas of programming. This will be improved on by time because I will learn new stuff which will lead in me solving problems quicker.