AC12001 Team Project Test Plan

Appointment Class:

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| **Test Description** | **Test Data** | **Expected result** | **Actual result** |
| Create new appointment | Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  HP = John Smith | Creates new appointment object with correct data stored |  |
| Display appointment details | Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  HP = John Smith | Displays appointment:  Date – 23/03/2020  Start time – 16:00  End time – 16:10  Type – consultation  Assigned health professional – John Smith |  |
| Create new clone of an appointment | The appointment object created in the “Create new appointment” test will be used | Creates new appointment object with the same data stored as the first appointment object |  |
| Display cloned appointment | Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  HP = consultation | Displays appointment:  Date – 23/03/2020  Start time – 16:00  End time – 16:10  Type – consultation  Assigned health professional – John Smith |  |

Diary Class:

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| **Test Description** | **Test Data** | **Expected result** | **Actual result** |
| Create new diary | Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  HP = John Smith  Date = 24/03/2020  Start time = 15:00  End time = 15:10  Type = consultation  HP = John Smith  Date = 24/03/2020  Start time = 16:30  End time = 16:40  Type = consultation  HP = John Smith | Creates new diary object with multiple appointment entries |  |
| Display diary details | The diary created in the “create new diary” step | Displays diary with appointment entries:  Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  Date = 24/03/2020  Start time = 15:00  End time = 15:10  Type = consultation  Date = 24/03/2020  Start time = 16:30  End time = 16:40  Type = consultation |  |
| Create new clone of a diary | The diary object created in the “Create new diary” step will be cloned | Creates new diary object with the same data stored as the first diary object |  |
| Display cloned diary | The cloned diary object created in the “create new clone of a diary” step will be displayed | Displays cloned diary with appointment entries:  Date = 23/03/2020  Start time = 16:00  End time = 16:10  Type = consultation  Date = 24/03/2020  Start time = 15:00  End time = 15:10  Type = consultation  Date = 24/03/2020  Start time = 16:30  End time = 16:40  Type = consultation |  |
| Search for an appointment | Start date = 23/03/2020  End date = 24/03/2020 | Should return all appointments scheduled between the 23rd and 24th of March |  |

HealthProfessional Class:

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| **Test Description** | **Test Data** | **Expected result** | **Actual result** |
| Add health professional details to assignedHP array list | Name = John Smith  Profession = gp  Location = London | Creates new health professional object with correct data stored appointment object |  |
| Display health professional details | Name = John Smith  Profession = gp  Location = London | Prints the health professional’s details from the array list:  Name – John Smith  Profession – gp  Location – London |  |
| Save health professional details to file | Name = John Smith  Profession = gp  Location = London | Writes the health professional’s details to a file called healthprofessionals.txt |  |
| Load health professional details from file | Data stored in healthprofessionals.txt file | Loads in the data stored in the healthprofessionals.txt file |  |
| Attempt to load health professional details from file when file is empty |  | Error message |  |
| Create a new clone of health professional | The object created in “add new health professional” will be cloned | Creates a new health professional object storing a copy of the data from the original health professional object |  |
| Display cloned health professional details | Name = John Smith  Profession = gp  Location = London  (cloned data from original object) | Displays the data from the cloned health professional:  Name = John Smith  Profession = gp  Location = London |  |

Scheduler class:

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| **Test Description** | **Test Data** | **Expected result** | **Actual result** |
| Add new health professional to scheduler | Name = John Smith  Profession = gp  Location = London |  |  |
| Delete health professional from scheduler | John Smith’s data should be deleted from the scheduler | Scheduler should no longer contain the information for the deleted health professional |  |
| Edit health professional details |  |  |  |
| Schedule an appointment | New appointment:  Date = 26/03/2020  Start time = 16:00  End time = 16:10  Type = blood test  HP = John Smith | A new appointment object should be created with the details specified |  |
| Undo a previous deletion made to the scheduler |  |  |  |
| Undo a previous addition made to the scheduler |  |  |  |
| Undo a previous edit made to the scheduler |  |  |  |

HistoryStack & StackNode Class:

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| **Test Description** | **Test Data** | **Expected Result** | **Actual Result** |
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