# Logs

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| Log No | 1 |
| Date | 03/05/2020 |
| Work Done | Create initial classes from partial business model class diagram.  Simple Rugby, Squad, Member, Player, Junior Player, Skill Category, Skill  Also create Controller, Main, Serialization, Deserialization, Dummy Data classes |
| Resources/Webpages used | Eclipse  Partial business model class diagram given  Used my Library program on Github for ideas on classes that may be required - <https://github.com/markmc1993/Library_java> |

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| Log No | 2 |
| Date | 04/05/2020 |
| Work Done | Create JFrame classes to be the GUI for the user  Login, Menu, Add User, Edit User, Add Squad, Edit Squad, Add Member, Edit Member, Add Player, Edit Player, My Squad, Edit My Squad  Found image to use as a background for views. Learned how to import and set up a label to become the image.  Add getters and setters in constructor classes. Design Login and make it so when Main is run, it creates an instance of Controller which creates an instance and opens Login screen. |
| Resources/Webpages used | Eclipse  Used previous program created called Magic words which had a Main create Controller which opened a basic Login style screen.  Used answer to the thread to implement -<https://stackoverflow.com/questions/523767/how-to-set-background-image-in-java> |

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| Log No | 3 |
| Date | 05/05/2020 |
| Work Done | Create a dummy user, create HashMaps and LinkedLists for storing information and set up Deserialization and Serialization  Have a check to see if username and password of user entered are valid and open Menu if it is.  Wished to resize image as I had changed the frame size. |
| Resources/Webpages used | Eclipse  Used answer to thread to implement - <https://stackoverflow.com/questions/5895829/resizing-image-in-java> |

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| Log No | 4 |
| Date | 06/05/2020 |
| Work Done | Design menu screen create buttons that, when clicked will open appropriate screen. Made it so user can logout to open login screen again. Design Add User, Add Squad and Add Member screens. |
| Resources/Webpages used | Eclipse |

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| Log No | 5 |
| Date | 07/05/2020 |
| Work Done | Add functionality and validation to Add User. Added that the usertype of logging in user will be sent to Menu and will change the menu label, remove 2 buttons and change the other buttons so that when clicked, takes to appropriate screens. |
| Resources/Webpages used | Eclipse |

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| Log No | 6 |
| Date | 09/05/2020 |
| Work Done | Added functionality to edit user, edit squad and edit member screens and validation to ensure that users with same username and squads with same name cannot be created. Designed Add Player, Edit Player, My Squad and Edit My Squad screens |
| Resources/Webpages used | Eclipse |

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| Log No | 7 |
| Date | 10/05/2020 |
| Work Done | Made it so players can be added by coaches, optional if coach sets skill ratings and notes when creating player. If coach does enter skill ratings and notes, the player will be created with these set.  Added validation to ensure a coach can only access My Squad and Edit My Squad if they are a coach of a squad. They will only be able to see and edit their own squad. |
| Resources/Webpages used | Eclipse |

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| Log No | 8 |
| Date | 11/05/2020 |
| Work Done | Added validation and an Exception class to display exceptions if text fields are left empty when information is required and to validate SRU number to ensure it is a 6 digit number. |
| Resources/Webpages used | Eclipse  Used Magic words app created before for Exception  Used answer to thread to implement check for number being only a digit - <https://stackoverflow.com/questions/15111420/how-to-check-if-a-string-contains-only-digits-in-java/15111450> |

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| Log No | 9 |
| Date | 12/05/2020 |
| Work Done | Finished initial build of app. Removed unnecessary Simple Rugby class, started writing internal documentation |
| Resources/Webpages used | Eclipse  Used examples of Javadoc to assist in following coding conventions - <https://www.tutorialspoint.com/java/java_documentation.htm> |

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| Log No | 10 |
| Date | 13/05/2020 – 14/05/2020 |
| Work Done | Continued writing internal documentation. Added Model class to store data. Sorted code to reflect this. Create wireframes and descriptions of views. |
| Resources/Webpages used | Eclipse  Pencil |

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| Log No | 11 |
| Date | 16/05/2020 |
| Work Done | Began testing, moved serialization, deserialization and creation of dummy data to Model and deleted unnecessary classes, Created use-case descriptions, detailed class model, updated top level use-case |
| Resources/Webpages used | Eclipse  Microsoft Word  StarUML |

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| Log No | 12 |
| Date | 17/05/2020 |
| Work Done | Continued testing, fixing errors as they occurred. |
| Resources/Webpages used | Eclipse  Microsoft Word |
| Log No | 13 |
| Date | 18/05/2020 |
| Work Done | Complete testing, gather solution plan together and submit solution plan and implementation. |
| Resources/Webpages used | Eclipse  Microsoft Word  iLearn |