**Sprint Backlog**

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| ID | Task Name | Predecessors | Resource Names |
| 1 | **Sprint 1 -Database Creation, Course,Instructor and Member Mgrs** |  |  |
| 2 | **Sprint planning, design and analysis** |  | Aldrin,Francis ,Sir Angel,Lilian |
| 3 | Resource Procurement and Machine Prep | 2 | Aldrin,Sir Angel,Francis ,Lilian |
| 4 | Develop Test Design Specifications | 3 | Aldrin,Sir Angel,Francis ,Lilian |
| 5 | Create the database based on the plan/design | 4 | Aldrin,Sir Angel,Francis ,Lilian |
| 6 | Test and review the Database | 5 | Lilian,Francis |
| 7 | Create website form mockup pages | 6 | Aldrin,Sir Angel |
| 8 | **Create methods for Instructor Manager CRUD that takes the values inside the form and stores to database** | **7** | **Aldrin** |
| 9 | Create database connectivity for the Instructor Mgr by writing an SQL string to connect and retrieve relevant tables in the database | 8 | Aldrin |
| 10 | Test the method with test design specifications | 9 | Aldrin |
| 11 | Fix bugs found in Instructor mgr methods | 10 | Aldrin |
| 12 | Integrate the form and method inside the current build of system | 11 | Aldrin |
| 13 | **Create methods for Member Manager CRUD that takes the values inside the form and store to database** | **7** | **Sir Angel** |
| 14 | Create database connectivity by writing an SQL string to connect and retrieve searched items from relevant tables in the database | 13 | Sir Angel |
| 15 | Test the method with test design specifications | 14 | Sir Angel |
| 16 | Fix bugs found in Member mgr methods | 15 | Sir Angel |
| 17 | Integrate the form and method inside the current build of system | 16 | Sir Angel |
| 18 | **Create methods for Course Manager CRUD that takes the values inside the form and stores to database** | **7** | **Francis** |
| 19 | Create database connectivity for the Course Manager by writing an SQL string to connect and retrieve relevant tables in the database | 18 | Francis |
| 20 | Test the method with test design specifications | 19 | Francis |
| 21 | Fix bugs found in Course mgr methods | 20 | Francis |
| 22 | Integrate the form and method inside the current build of system | 21 | Francis |
| 23 | **Create methods for Member Type Manager CRUD that takes the values inside the form and stores to database** | **7** | **Lilian** |
| 24 | Create database connectivity for the Course Manager by writing an SQL string to connect and retrieve relevant tables in the database | 23 | Lilian |
| 25 | Test the method with test design specifications | 24 | Lilian |
| 26 | Fix bugs found in Member Type mgr methods | 25 | Lilian |
| 27 | Integrate the form and method inside the current build of system | 26 | Lilian |
| 28 | **Create methods for Login and Logout Feature** | **23** | **Lilian** |
| 29 | Create database connectivity for the Login and Logout Feature by writing an SQL string to connect and retrieve relevant tables in the database | 28 | Lilian |
| 30 | Test the method with test design specifications | 29 | Lilian |
| 31 | Fix bugs found in store items method | 30 | Lilian |
| 32 | Integrate the form and method inside the current build of system | 31 | Lilian |
| 33 | **Sprint review with entire team and client** | 2 | Sir Angel,Francis ,Aldrin,Lilian,Prof. Anjana |
| 34 | **Sprint 2 - Session Mgr and Announcements Mgr** |  |  |
| 35 | **Sprint planning, design and analysis** | 33 | Aldrin,Sir Angel,Francis ,Lilian |
| 36 | **Create methods for Session Manager CRUD that takes the values inside the form and store to database** | **18,13,23** | **Sir Angel,Francis** |
| 37 | Connect QR Scanner to Form | 36 | Sir Angel,Francis |
| 38 | Test Scanner Connectivity | 37 | Sir Angel,Francis |
| 39 | Connect methods to the database | 38 | Sir Angel,Francis |
| 40 | Test Session Mgr methods | 39 | Sir Angel,Francis |
| 41 | Debug Session Mgr method | 40 | Sir Angel,Francis |
| 42 | Implement Session Mgr methods into main system and test | 41 | Sir Angel,Francis |
| 43 | **Create methods for Announcements manager that has CRUD for announcements and as well as sending of messages to members** | **8** | **Aldrin** |
| 44 | Connect method to try database to record item and borrower information | 43 | Aldrin |
| 45 | Test method with test design specifications | 44 | Aldrin |
| 46 | Fix bugs found in Announcement mgr methods | 45 | Aldrin |
| 47 | Integrate Announcements mgr methods and form in the current system build | 46 | Aldrin |
| 48 | **Develop User Interface Design of the System** | **28** | **Lilian** |
| 49 | Test Design | 48 | Lilian |
| 50 | Fix Design | 49 | Lilian |
| 51 | Integrate the front end design in the current build of system | 50 | Lilian |
| 52 | **Sprint review with entire team and client** | 35 | Francis ,Aldrin,Sir Angel,Lilian,Prof. Anjana |
| 53 | **Sprint 3 - Session Feedback Feature and Login/Logout Feature** |  |  |
| 54 | **Sprint planning, design and analysis** | 52 | Francis ,Aldrin,Sir Angel,Lilian |
| 55 | **Create a Session Feedback method where it takes a member input and stores it to the session feedback** | **43,48** | **Aldrin,Lilian** |
| 56 | Connect the method to the database | 55 | Aldrin,Lilian |
| 57 | Test method by placing feedback and pulling from admins view sessions | 56 | Aldrin,Lilian |
| 58 | Fix bugs found in the method | 57 | Aldrin,Lilian |
| 59 | Integrate Session Feedback method with current system and test feature again | 58 | Aldrin,Lilian |
| 60 | **Integrate to Cloud** | **36** | **Francis ,Sir Angel** |
| 61 | Test Cloud Connectivity | 60 | Francis ,Sir Angel |
| 62 | Fix Bugs for Cloud Connectivity | 61 | Francis ,Sir Angel |
| 63 | Sprint review with entire team and client | 54 | Francis ,Aldrin,Sir Angel,Lilian,Prof. Anjana |
| 64 | **Sprint 4 - Overall System Test** |  |  |
| 65 | **Sprint planning, design and analysis** | 63 | Francis ,Aldrin,Sir Angel,Lilian |
| 66 | System Test based on Planned Test Design | 65 | Aldrin,Lilian |
| 67 | Fix found bugs found and User Test with Cloud | 60,55 | Francis ,Aldrin,Sir Angel,Lilian |
| 68 | Project Close with entire team and client | 67 | Francis ,Aldrin,Sir Angel,Lilian,Prof. Anjana |