GROUP MEMBERS:

Muhammad Haris 19I-0740

Mubrra Asma 19I-0699

Deliverable: 0

Student Management System

**Student Management System**

**Nature:** Desktop application

**Scope:** Any educational institution can use this system. This project depicts a student portal where all the assessments of the students, fee record, attendance, courses, feedback, grades, announcements related to some activity will be managed. Students can see their attendance, marks, fee status, add or drop/withdraw their course or give feedback to their instructor or the portal. On the other hand Teacher can manage the student record their assessments, attendance, grade the assessment, allot a quiz and all the activities related to class and student. The Admin can add/remove students from class or can assign teacher to the sections.

**Product Backlog:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **As a…** | **I want to be able to…** | **So that…** | **Priority** | **Sprint** | **Status** |
| 1 | Admin | add new student | I can take courses | Must | 1 | To be started |
| 2 | Admin | Assign section to teacher | Teacher can know which section to teach | Must | 2 | To be started |
| 3 | Admin | add course | Students can register it | Must | 1 | To be started |
| 4 | Admin | update student detail | I can correct mistakes | Must | 2 | To be started |
| 5 | Admin | search student | I can view all details of student | Must | 2 | To be started |
| 6 | Admin | View fee details | I can keep check of fee status | Must | 2 | To be started |
| 7 | Admin | assign section to new student | student get enrolled in class | Must | 2 | To be started |
| 8 | Admin | View attendance | I can view attendance report of every class | Must | 2 | To be started |
| 9 | Admin | delete student | I can remove record of student | Must | 3 | To be started |
| 10 | Admin | remove course | students don’t get enrolled in that course | Must | 3 | To be started |
| 11 | Admin | view grades | I can see progress report | Must | 2 | To be started |
| 12 | New Student | Create an account | I became member | Must | 1 | To be started |
| 13 | Registered  student | log in | I can be a student | Must | 1 | To be started |
| 14 | Student | choose class | I can select section of my choice | Must | 1 | To be started |
| 15 | Student | select section | I can get enrolled in class | Must | 1 | To be started |
| 16 | Student | submit assignment | Teacher can evaluate it | Should | 3 | To be started |
| 17 | Student | Estimate fee | I can know the total amount to be paid | Should | 3 | To be started |
| 18 | Student | View attendance | I can see my absentees | Must | 2 | To be started |
| 19 | Student | View courses | I can see which courses I am enrolled in | Must | 2 | To be started |
| 20 | Student | Withdraw course | I can no longer be enrolled in the course | Should | 2 | To be started |
| 21 | Student | Give feedback | I can | should | 2 | To be started |
| 22 | Student | Edit profile | I can correct mistakes | should | 1 | To be started |
| 23 | Teacher | Log in | I can be a faculty member | Must | 1 | To be started |
| 24 | Teacher | Edit profile | I can correct mistakes | should | 1 | To be started |
| 25 | Teacher | maintain attendance | I can keep record of absent students | Must | 2 | To be started |
| 26 | Teacher | assign home tasks | I can evaluate performance of students | Must | 3 | To be started |
| 27 | Teacher | add comment | I can have a say | Must | 3 | To be started |
| 28 | Teacher | add grades | students can view their progress | Must | 3 | To be started |
| 29 | Teacher | view all students | I know total student of class | Must | 3 | To be started |

*Table 1: Product Backlog*

**Sprint 1 Backlog:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **User Story** | **Tasks to do** | **In progress** | **Done** |
| 1 | As a new student I want to be able to create an account | |  | | --- | | Create the following fields in UI  Name, Registration No., Batch, Degree, Email, Username and Password | | Create a database containing all above mentioned entities | | Connect UI with database | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | |
| 2 | As a registered student I want to be able to login | |  | | --- | | Create username and password field in UI | | Store these fields in database | | Connect UI with database | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | |
| 3 | As a student I want to be able to choose class | |  | | --- | | Create a drop down menu showing all classes | | Add record in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |
| 4 | As a student I want to be able to select section | |  | | --- | | Create a drop down menu showing all sections | | Add record in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |
| 5 | As a student I want to be able to edit my profile | |  | | --- | | Create “Edit Profile” button to edit student info | | Update the edited information in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |
| 6 | As a teacher I want to be able to login | |  | | --- | | Create username and password field in UI | | Store these fields in database | | Connect UI with database | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  |  |  | | --- | |  | |
| 7 | As a teacher I want to be able to edit my profile | |  | | --- | | Create “edit profile” button to edit teacher info | | Update the edited information in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |
| 8 | As an admin I want to be able to add new student | |  | | --- | | Create “add student” button to add student | | Update the edited information in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |
| 9 | As an admin I want to be able to add course | |  | | --- | | Create “add course” button to add course | | Add new course in database | | |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |  |  | | --- | |  | |

*Table 2: Sprint 1 Backlog*

Sprint 2 and 3 may contain 10 to 12 user stories and each story may contain 2 to 4 tasks

**Roles:**

Product Owner: Muhammad Haris

Scrum Master: Mubrra Asma

Scrum Team: Muhammad Haris, Mubrra Asma