### Functional Requirements

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| Requirement # | Name | Description | MoSCoW | Functional Area |
| 1000 | Application Renewal/New | System allows user to renew previous application or begin a new one. | Must Have | Development |
| 1001 | Parent Registration | System allows parent registration. | Must Have | Administration |
| 1002 | Student Registration | System allows student registration under the parent a subsidiary. | Must Have | Administration |
| 1003 | Payment Information | System displays the cost of attendance and outputs appropriate pricing. | Must Have | Administration |
| 1004 | Teacher Registration | System allows teacher registration and gives them appropriate rights. | Must Have | Administration |
| 1005 | Grade Assignment | System allows grades to be recorded. | Must Have | Development |
| 1006 | Student Display | Teachers have access to their roster based on grade level. | Must Have | Development |
| 1107 | Attendance | System takes in attendance for students at given dates | Must Have | Development |
| 1108 | Course Cycle Display | System displays grading cycle and important course information. | Must Have | Development |
| 1009 | Master User | System allows the user to monitor, update, add, and delete class related material and registration information as needed. | Must Have | Development |
| 1010 | Alerts/Notification | System sends out email to parents regarding attendance/grades. | Could Have | Customer Service |
| 1011 | Student Information | System displays attendance and grades with parents having access. | Must Have | Development |

### Reporting Requirements

***Student Report****: System will provide information on the student such as grades and attendance.*

***Maintenance & Development****: Development team must report issues and any concerns that might affect application experience for the end user, alongside report any maintenance updates accordingly.*

***Administrative Report****: System will report the number of users in the system and the number of.*

### Reporting Requirements

*The application is a web based application and will run on essentially any PC with a web browser. There will not be a mobile application platform for the ICSJ project. The application is designed to run on web browsers such as Internet Explorer, Safari, Google Chrome, Mozilla Firefox, Microsoft Edge, and Opera. A PC is the only hardware requirement needed to run the ICSJ application. The PC does not need to be overwhelmingly powerful a standard PC is more than capable of running the game and will provide a good interactive experience. We will support the current version of all browsers.*

**Software System Interface Requirements**

*The ICSJ application does not need any other software to run. The application simply needs a web-based browser as mentioned above and the user will be able to enter the application and can interact and maintain classes as needed. The web based browser extensions and plugins are sufficient we avoided third party software interfaces so we can resolve issues on our terms. Flash player version 31.0.0.122 or higher is suitable to run the application though it is not needed.*

## Commercial off-the-shelf Software

*We will be using Microsoft SQL Server a Microsoft database software to develop the ICSJ applications for data storage. We will utilize the Microsoft SQL Server database offered by the company to store and retrieve data for user accounts and save student records data. A database engine was vital for the success of the ICSJ application because the application is data driven and needed a backend storage functionality to make it more functional and productive. Integrating the Microsoft database with the ICSJ Application will be a smooth transition as it’s simple to incorporate with our application and offers sophisticated data storage capabilities. We will utilize Jira for the management of requirements it has no relation to the application being developed. We will utilize GitHub for the maintenance of code it's a good source control application that will make code traceable and ensure stable deployment.*