

| Functional Cluster | Description | Requirement |
|--------------------------|---|--|
| Login and Authentication | Manages user log in and authenticates passwords | 1,1.2 |
| Input | Manages user input | 2.1,2.2,2.3,2.4 |
| Output | Manages system output | 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10 |
| Network Connection | Manages networking capabilities | 4.1,4.2,4.3 |
| Data Storage | Manages data storage by the system | 5.1,5.2,5.3,5.4 |
| Data Analysis | Manages the data analysis done by third parties | 6.1,6.2,6.3 |
| Error Handling | Reactions to unexpected events in the system | 7.1,7.2,7.3,7.4,7.5 |
| Disabled Student Support | Makes the app accessible to disabled students | 8.1,8.2,8.3 |
| Activities | Added functionality to support third party activities | 9.1,9.2,9.3,9.4,9.5, 9.6,9.7 |
| Reward systems | Added functionality to support third party rewards | 10.1,10.2,10.3,10.4 |
| Help | Assists users in the use of the application | 11.1,11.2,11.3 |
| Navigation Functionality | The basic navigation abilities of the application | 12.1,12.2 |

Table 1: Functional subsystems