USE CASE SPECIFICATION

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| Use case name | Sign-up |
| Actors | Student |
| Summary description | Student enters details to be stored in the system |
| Pre-condition | Students can access the system via a web browser or an android app |
| Basic path | 1. Students provides their details 2. System saves the students details into the database 3. System registers the new student 4. System then logs the customer into the web app or android app |
| Alternative path | N/A |
| Post condition | System creates an account for the student |

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| Use case name | Sign up |
| Actors | Lecturer |
| Summary description | Lecturer enters their details to be stored in the system |
| Pre-condition | Lecturer can access the system through a web browser or the android app |
| Basic path | 1. Lecturer provides details 2. System saves the lecturer’s details into the database 3. System registers the lecturer 4. System then logs the customer into the web app or android app |
| Alternative path | N/A |
| Post condition | System creates an account for the lecturer |

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| Use case name | Lecturer creates a class on the app |
| Actor | Lecturer |
| Summary description | The lecturer creates a class |
| Pre-condition | The lecturer must be registered |
| Basic path | 1. Lecturer signs up 2. System registers lecturer 3. Lecturer has the option of creating classes |
| Alternative path | N/A |
| Post condition | System stores the classes |

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| Use case name | Display of code |
| Actors | Lecturer |
| Summary description | The lecturer generates the qr code to be displayed |
| Pre-condition | A class must have been created |
| Basic path | 1. Lecturer selects course 2. Lecturer generates code 3. Code is displayed |
| Alternative path | N/A |
| Post condition | System stores the code used |

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| Use case name | Scanning |
| Actors | Students |
| Summary description | The students scan the code to confirm their attendance |
| Pre-condition | 1. Students must be registered 2. The course must have been registered by the lecturer 3. The lecturer must have generated the code to be scanned |
| Basic path | 1. The students sign in once into the app 2. The courses are displayed or the student can search for a course 3. The lecture generates the qr display 4. Students scan 5. System stores the students details in the database |
| Alternative path | N/A |
| Post condition | System stores the record to be retrieved by the lecturer |