

Group 9: Sprint 4_ADR

1. Created a new database schema to capture relevant application information

In this sprint, the group adopted a new database schema to capture all of the application and user detail information. A description of the created tables as well as their use is given below.

- *appUser Table*: This table stores all personal information about a user such their user names, first name, email address, physical address, application password and student number. The table also has two meeting request status columns to indicate if the user is attending a online or face-face meeting at anytime.
- *createdGroup*: This table stores information about unique created groups, the dates they were created and the name of people who creates the group.
- *existingGroup*: This table stores all of the groups different users belong to. The table uses composite keys to achieve this.
- *courseTable*: This table stores all the uniques courses that users of the applications are registered for, as well as their courseCodes.
- *courseName&AppUser*: This table links all course name to users who take those courses. Composite keys are used to achieve this functionality.
- *meetingRequest*: This table stores information about requests for meetings that occur on the application. The table stores information about the names of people receiving the meeting request, the group which the meeting requests are sent from, name of the person sending the requests, as well as information about the type of meeting: online or face to face.
- *Resourcetable*: This table stores resource links, the names of the resource (pdf, video or image), and the groups that these resources belong to.

A drawing depicting all of this database schema is attached on tableRelations.pdf inside ADR folder for this sprint.

Decision

Developed a new database schema.

Status

Accepted

Consequences

All of the tables on the data bases are linked by foreign keys and composite keys making it easier to enhance the possible functionality we can build up in the project without running into problems.