Project X Client Stated Requirements

The University wants an automated attendance system. It would be nice if an instructor could use his phone, tablet or computer to identify the students coming in the door. Let's call this phone a registered device, of which there can be several. The phone should be registered to a known lecturer. There can be several lecturers, and each lecturer can have more than 1 phone. Only registered phones may be used by the system.

It would be really great if this system would persist this attendance information on a server somewhere.

There should be some formal documentation as to requirements, the design and a set of user acceptance tests. The system should be big.

We want to be able to generate reports on the attendance, list of students, lecturers, courses and students enrolled on a course.

We want to be able add amend delete and view all items in the system

Furthermore, the system might be able to locate the phone – should the lecturer ‘get lost’.

We also want to be able to take pictures using the phone using the system so we can store a passport style photo and the student’ name and university ID and store the picture as a file and the student’s id and name in the database.

The database shall be a MySQL relational database established in the cloud.

The access to the database shall be via a rest API.

Testing should be at the following levels

1. User Acceptance (UAT)
2. Systems
3. Unit testing – where possible