

## Interaction Details:

Below, I've detailed some main responsibilities of our mobile/web components. Be aware of which API endpoint certain actions should be using (the number in the bracket)

### Mobile:

- Client is responsible for retrieving data from Azure (student\_name, student\_no)
- Convert this data to JSON, and make a PUT request to server (1)
- Server will respond if student is a student of given course
- Server will also update to "check-in" the student

### Web:

- For a given user (use auth to retrieve course list for a given instructor? stretch goal, assume we have ONE user until we get auth working) display the course list on sidebar (3)
- Selecting a course will display course information as well as enrolled students (2)
- Inside of an existing course, user should be able to add students as a last measure (4)
- Sidebar should also display an "Add Course" option beneath all existing courses
- User fills in necessary information and submits it (6)

## Object Definition:

### Student Object:

```
{
  "student_no": int,
  "student_name": string,
}
```

### Course Object:

```
{
  "course_code": string,
  "instructor": string,
  "section": string,
  "exam_dates": [Date],
  "student_list": {
    "student_name": String, (optional)
    "student_no": Number,
    "attendance": Boolean[],
  }
}
```

# Interaction Protocols

#	Done	Endpoint	Type	Requires	Returns
1		<b>Verifying student is in course:</b> /courses/:course_code/students	PUT	{ "student_no": int, "exam_index": int, }	Success (verified and checked in) or Error (unverified)
2	YES	<b>Getting specific course information:</b> /courses/:course_code	GET	null	Course object for specified course
3	YES	<b>Getting all courses:</b> /courses/	GET	null	All courses for given user
4	YES	<b>Adding student to existing course:</b> /courses/:course_code/students	POST	{ "student_no": int, "student_name": string, }	OK/Error
5	YES	<b>Removing student from course:</b> /courses/:course_code/students/:student_no	DELETE	null	OK/Error
6	YES	<b>Add new course:</b> /courses/	POST	Course {}	OK/Error
7	YES	<b>Remove a course:</b> /courses/:course_code	DELETE	null	OK/Error
		(space for more as we go along)			