**ID:** LOC 1

**Estimate:** 4 points

**Summary**

Allow a user to get all courses.

**Description:**

As a user, I would want to be able to get all courses, so that I am able to see all the courses that I have access to.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/courses>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "courseList": [  {  "name": "Math",  "id": "0",  "term": "Spring",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/courses/0"  },  "Courses": {  "href": "http://localhost:8080/ga/v1/courses/"  }  }  }, |
| --- |

**ID:** LOC 2

**Estimate:** 4 points

**Summary**

Allow a user to get a course.

**Description:**

As a user, I would want to be able to get a course, so that I am able to access a specific course.

**Example request**

**HTTP Method:** POST

**URL:** [http://localhost:8080/ga/v1/course](http://localhost:8080/ga/v1/courses/%7B%7BcourseId1)s/1

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "name": "Bio",  "id": "1",  "term": "Summer",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/courses/1"  },  "Courses": {  "href": "http://localhost:8080/ga/v1/courses/"  }  }  } |
| --- |

**ID:** LOC 3

**Estimate:** 4 points

**Summary**

Allow a user to create a course.

**Description:**

As a user, I would want to be able to create a course, so that I am able to add to the course list.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/courses>

**Request Body:**

| {  "name": "CSC 130",  "term": "Spring 2022"  } |
| --- |

**Request Response:**

| {  "name": "CSC 130",  "id": "6459b98c80b6bd30799566da",  "term": "Spring 2022",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/courses/6459b98c80b6bd30799566da"  },  "Courses": {  "href": "http://localhost:8080/ga/v1/courses/"  }  }  } |
| --- |

**ID:** LOC 4

**Estimate:** 4 points

**Summary**

Allow a user to update a course.

**Description:**

As a user, I would like to be able to update a course, so that I am able to alter the course list.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/courses/2>

**Request Body:**

| {  "id": "641b317945e143416818db55",  "name": "CSC 130",  "term": "Fall 2022"  } |
| --- |

**Request Response:**

| {  "name": "CSC 130",  "id": "2",  "term": "Fall 2022",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/courses/2"  },  "Courses": {  "href": "http://localhost:8080/ga/v1/courses/"  }  }  } |
| --- |

**ID:** LOC 5

**Estimate:** 4 points

**Summary**

Allow a user to delete a course.

**Description:**

As a user, I would like to be able to delete a course, so that I am able to remove a course when it is not needed.

**Example request**

**HTTP Method:** POST

**URL:** [http://localhost:8080/ga/v1/courses/](http://localhost:8080/ga/v1/courses/2)3

**Request Body:**

|  |
| --- |

**Request Response:**

|  |
| --- |

**ID:** LOC 6

**Estimate:** 4 points

**Summary**

Delete

**Description:**

As a user, I would like to be able to delete a course that has an assignment linked to that course, and delete the assignment with it.

**Example request**

**HTTP Method:** POST

**URL:** [http://localhost:8080/ga/v1/courses/delete/3](http://localhost:8080/ga/v1/courses/2)

**Request Body:**

|  |
| --- |

**Request Response:**

|  |
| --- |

**ID:** LOC 7

**Estimate:** 4 points

**Summary**

Allow a user to get all students.

**Description:**

As a user, I would want to be able to get all students, so that I am able to see all the students that are included.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "studentList": [  {  "firstName": "Prithisha",  "lastName": "Panta",  "id": "0",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/students/0"  },  "Students": {  "href": "http://localhost:8080/ga/v1/students/"  }  }  }, |
| --- |

**ID:** LOC 8

**Estimate:** 4 points

**Summary**

Allow a user to get a student.

**Description:**

As a user, I would want to be able to get a student, so that I am able to access the specific student.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students/1>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "firstName": "Jaspreet",  "lastName": "Chera",  "id": "1",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/students/1"  },  "Students": {  "href": "http://localhost:8080/ga/v1/students/"  }  }  } |
| --- |

**ID:** LOC 9

**Estimate:** 4 points

**Summary**

Allow a user to create a student.

**Description:**

As a user, I would want to be able to create a student, so that I am able to add to the student list.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students>

**Request Body:**

| {  "firstName": "Ross",  "lastName": "Rock"  } |
| --- |

**Request Response:**

| {  "firstName": "Ross",  "lastName": "Rock",  "id": "6459b54680b6bd30799566d7",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/students/6459b54680b6bd30799566d7"  },  "Students": {  "href": "http://localhost:8080/ga/v1/students/"  }  }  } |
| --- |

**ID:** LOC 10

**Estimate:** 4 points

**Summary**

Allow a user to update a student.

**Description:**

As a user, I would like to be able to update a student, so that I am able to alter the student list.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students/4>

**Request Body:**

| {  "id": "641b333045e143416818db56",  "firstName": "Ross",  "lastName": "Lynch"  } |
| --- |

**Request Response:**

| {  "firstName": "Ross",  "lastName": "Lynch",  "id": "4",  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/students/4"  },  "Students": {  "href": "http://localhost:8080/ga/v1/students/"  } |
| --- |

**ID:** LOC 11

**Estimate:** 4 points

**Summary**

Allow a user to delete a student.

**Description:**

As a user, I would like to be able to delete a student, so that I am able to remove a student when it is not needed.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students/4>

**Request Body:**

|  |
| --- |

**Request Response:**

|  |
| --- |

**ID:** LOC 12

**Estimate:** 4 points

**Summary**

Allow a user to delete a student if the student has made an assignment and deletes assignment as well.

**Description:**

As a user, I would like to be able to delete a student, so that I am able to remove a student when it is not needed.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/students/delete/4>

**Request Body:**

|  |
| --- |

**Request Response:**

| Student with id: 4 deleted. Student has made a submission. |
| --- |

**ID:** LOC 13

**Estimate:** 4 points

**Summary**

Allow a user to get all assignment submissions.

**Description:**

As a user, I would want to be able to get all assignment submissions, so that I am able to see all the assignment submissions that I have access to.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/submissions>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "assignmentSubmissionList": [  {  "studentId": "student3452",  "id": "1",  "assignmentID": "Bio",  "pointsAwarded": 2.3,  "questionSolutions": {  "0": {  "pointsAwarded": 54.0,  "id": "1",  "answers": [  "Bio",  "Phys"  ]  },  "1": {  "pointsAwarded": 1.0,  "id": "2",  "answers": [  "English",  "CompSci"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  }, |
| --- |

**ID:** LOC 13

**Estimate:** 4 points

**Summary**

Allow a user to get all assignment submissions by assignment id.

**Description:**

As a user, I would want to be able to get all assignment submissions by assignment id, so that I am able to see all the assignment submissions that have been made under the specific assignment.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/submissions?assignmentId=Bio>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "assignmentSubmissionList": [  {  "studentId": "student3452",  "id": "1",  "assignmentID": "Bio",  "pointsAwarded": 2.3,  "questionSolutions": {  "0": {  "pointsAwarded": 54.0,  "id": "1",  "answers": [  "Bio",  "Phys"  ]  },  "1": {  "pointsAwarded": 1.0,  "id": "2",  "answers": [  "English",  "CompSci"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  }  ]  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio{&studentId}",  "templated": **true**  }  }  } |
| --- |

**ID:** LOC 14

**Estimate:** 4 points

**Summary**

Allow a user to get all assignment submissions by student id.

**Description:**

As a user, I would want to be able to get all assignment submissions by student id, so that I am able to see all the assignment submissions that have been made under the specific student.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/submissions?studentId=student3452>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "assignmentSubmissionList": [  {  "studentId": "student3452",  "id": "1",  "assignmentID": "Bio",  "pointsAwarded": 2.3,  "questionSolutions": {  "0": {  "pointsAwarded": 54.0,  "id": "1",  "answers": [  "Bio",  "Phys"  ]  },  "1": {  "pointsAwarded": 1.0,  "id": "2",  "answers": [  "English",  "CompSci"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  }  ]  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/?studentId=student3452{&assignmentId}",  "templated": **true**  }  }  } |
| --- |

**ID:** LOC 15

**Estimate:** 4 points

**Summary**

Allow a user to get all assignment submissions by student id and assignment id.

**Description:**

As a user, I would like to be able to get all assignment submissions by student id and the assignment id, so that I am able to directly check if the student has made the assignment submissions.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/submissions?studentId=student3452&assignmentId=Bio>

**Request Body:**

|  |
| --- |

**Request Response:**

| {  "\_embedded": {  "assignmentSubmissionList": [  {  "studentId": "student3452",  "id": "1",  "assignmentID": "Bio",  "pointsAwarded": 2.3,  "questionSolutions": {  "0": {  "pointsAwarded": 54.0,  "id": "1",  "answers": [  "Bio",  "Phys"  ]  },  "1": {  "pointsAwarded": 1.0,  "id": "2",  "answers": [  "English",  "CompSci"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  }  ]  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  } |
| --- |

**ID:** LOC 16

**Estimate:** 4 points

**Summary**

Allow a user to get all assignment submissions by submission id.

**Description:**

As a user, I would like to be able to get all assignment submissions by submission id, so that I am able to directly check if a submission has been made.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/submissions/1>

**Request Body:**

| {  "assignmentId": "640d570ecf8a91229f143fed",  "studentId": "student4",  "pointsAwarded": 0.0,  "questionSolutions": {  "Q1": {  "questionId": "Q1",  "pointsAwarded": 0.0,  "answers": [  "true"  ]  },  "Q2": {  "questionId": "Q2",  "pointsAwarded": 0.0,  "answers": [  "D"  ]  },  "Q3": {  "questionId": "Q3",  "pointsAwarded": 0.0,  "answers": [  "A"  ]  }  }  } |
| --- |

**Request Response:**

| {  "studentId": "student3452",  "id": "1",  "assignmentID": "Bio",  "pointsAwarded": 2.3,  "questionSolutions": {  "0": {  "pointsAwarded": 54.0,  "id": "1",  "answers": [  "Bio",  "Phys"  ]  },  "1": {  "pointsAwarded": 1.0,  "id": "2",  "answers": [  "English",  "CompSci"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=Bio&studentId=student3452"  }  }  } |
| --- |

**ID:** LOC 17

**Estimate:** 4 points

**Summary**

Allow a user to delete an assignment submission.

**Description:**

As a user, I would like to be able to delete an assignment submission, so that I am able to remove an assignment submission if necessary.

**Example request**

**HTTP Method:** POST

**URL:** [http://localhost:8080/ga/v1/courses/](http://localhost:8080/ga/v1/courses/2)3

**Request Body:**

| {  "assignmentId": "640d570ecf8a91229f143fed",  "studentId": "student4",  "pointsAwarded": 0.0,  "questionSolutions": {  "Q1": {  "questionId": "Q1",  "pointsAwarded": 0.0,  "answers": [  "true"  ]  },  "Q2": {  "questionId": "Q2",  "pointsAwarded": 0.0,  "answers": [  "D"  ]  },  "Q3": {  "questionId": "Q3",  "pointsAwarded": 0.0,  "answers": [  "A"  ]  }  }  } |
| --- |

**Request Response:**

|  |
| --- |

**ID:** LOC 18

**Estimate:** 4 points

**Summary**

Allow a user to create an assignment submission.

**Description:**

As a user, I would like to be able to create an assignment submission, so that I am able to submit an assignment.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/courses>

**Request Body:**

| {  "studentId": "1",  "assignmentID": "w12132",  "pointsAwarded": 4.0,  "questionSolutions": {  "Q1": {  "questionId": "Q1",  "answers": [  "false"  ]  },  "Q2": {  "questionId": "Q2",  "answers": [  "C"  ]  },  "Q3": {  "questionId": "Q3",  "answers": [  "A",  "D"  ]  }  }  } |
| --- |

**Request Response:**

| {  "studentId": "1",  "id": "6459dc154d43551707251ec1",  "assignmentID": "w12132",  "pointsAwarded": 4.0,  "questionSolutions": {  "Q1": {  "pointsAwarded": 0.0,  "id": null,  "answers": [  "false"  ]  },  "Q2": {  "pointsAwarded": 0.0,  "id": null,  "answers": [  "C"  ]  },  "Q3": {  "pointsAwarded": 0.0,  "id": null,  "answers": [  "A",  "D"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/6459dc154d43551707251ec1"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?assignmentId=w12132&studentId=1"  }  }  } |
| --- |

**ID:** LOC 19

**Estimate:** 4 points

**Summary**

Allow a user to update an assignment submission.

**Description:**

As a user, I would like to be able to update an assignment submission, so that I am able to make changes to the submission details.

**Example request**

**HTTP Method:** POST

**URL:** <http://localhost:8080/ga/v1/courses>

**Request Body:**

| {  "id": "ghjvgghyfy",  "assignmentId": "641b409fbb3f047ee19889e3",  "studentId": "1",  "questionSolutions": {  "Q1": {  "questionId": "Q1",  "answers": [  "true"  ]  },  "Q2": {  "questionId": "Q2",  "answers": [  "C"  ]  },  "Q3": {  "questionId": "Q3",  "answers": [  "B",  "C"  ]  }  }  } |
| --- |

**Request Response:**

| {  "studentId": "",  "id": "ghjvgghyfy,  "assignmentID": 641b409fbb3f047ee19889e3,  "pointsAwarded": 0.0,  "questionSolutions": {  "Q1": {  "pointsAwarded": 0.0,  "id": **null**,  "answers": [  "true"  ]  },  "Q2": {  "pointsAwarded": 0.0,  "id": **null**,  "answers": [  "C"  ]  },  "Q3": {  "pointsAwarded": 0.0,  "id": **null**,  "answers": [  "B",  "C"  ]  }  },  "\_links": {  "self": {  "href": "http://localhost:8080/ga/v1/submissions/641b409fbb3f047ee19889e3"  },  "Submissions": {  "href": "http://localhost:8080/ga/v1/submissions/?studentId=1{&assignmentId}",  "templated": **true**  }  }  } |
| --- |