



WEB322 Test 4

[9 marks]

Time period: 100 minutes (class time)

Instructions

It is a computer-based open-resource test. You can refer to course materials on blackboard, or internet. However, you CANNOT communicate with others. It is an INDIVIDUAL test. You need to work on your own and CANNOT discuss it with others, or copy from others, or distribute your work to others.

You are going to make the Academic Integrity declaration in the work. See below.

Read and follow the instructions CAREFULLY.

Specifications

Test4 is built upon test3. **If you didn't successfully complete test3, you can email me for a clean version to continue with test4.**

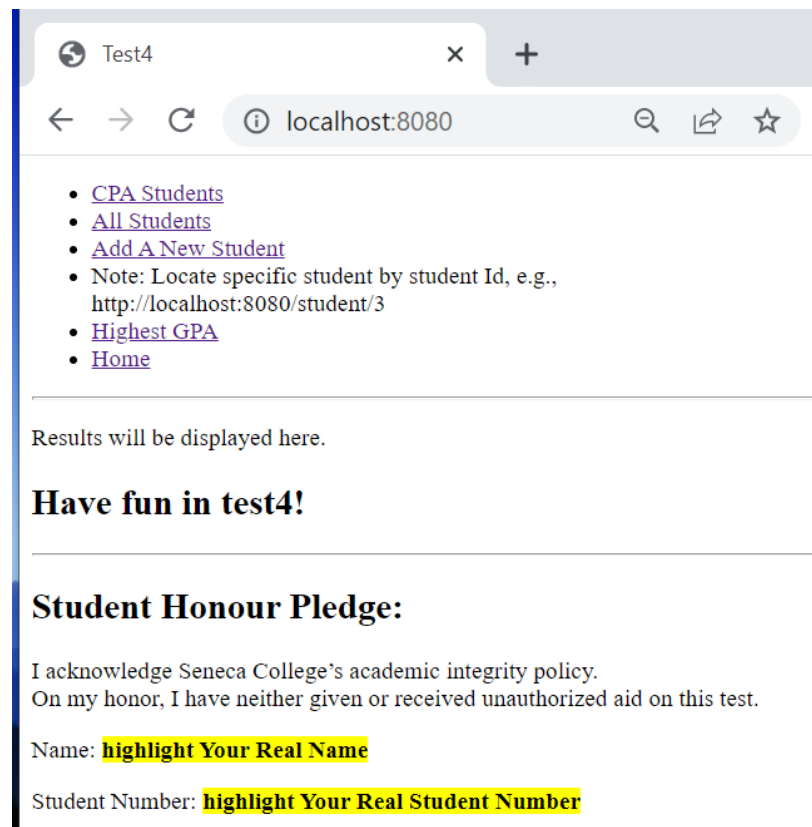
You can make a copy of test3 work and name the folder **test4**. You are going to use express handlebars to display the data from your previous tests. Make sure you place all the files to the corresponding folders.

Follow the given file names and the submission file names.

Refer to the screenshots.

1. Home route

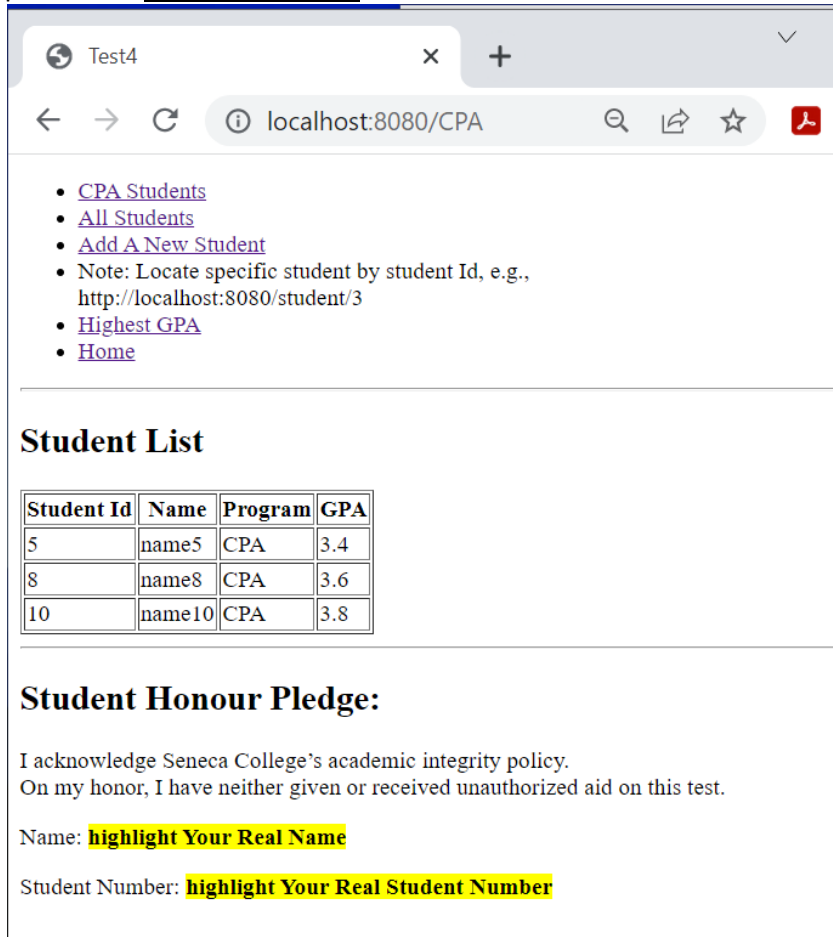
- 1) The links are displayed in a list.
- 2) The links above the 1st horizontal line and "Student Honor Pledge" below the 2nd horizontal line are implemented as default handlebars layout **"main.hbs"**.
- 3) The middle content between the two horizontal lines is implemented in handlebars **"home.hbs"**.



2. Links

- 1) User clicks link “CPA Students”

Your server responds with only CPA students in “students.hbs” with “main.hbs” default layout.



Test4 x +

localhost:8080/CPA

- [CPA Students](#)
- [All Students](#)
- [Add A New Student](#)
- Note: Locate specific student by student Id, e.g.,
<http://localhost:8080/student/3>
- [Highest GPA](#)
- [Home](#)

Student List

Student Id	Name	Program	GPA
5	name5	CPA	3.4
8	name8	CPA	3.6
10	name10	CPA	3.8

Student Honour Pledge:

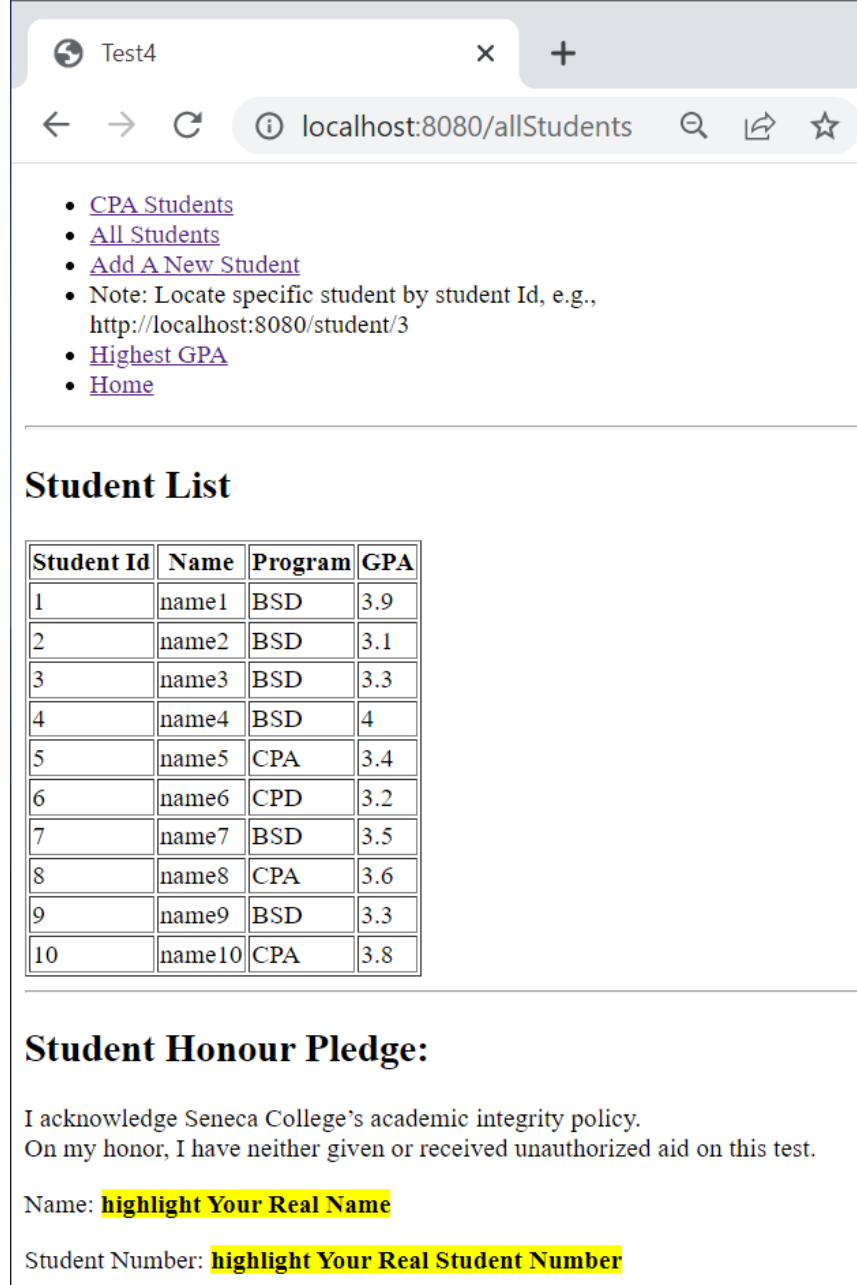
I acknowledge Seneca College's academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

2) User clicks link “All Students”

Your server responds with all students in “students.hbs” with “main.hbs” default layout.



Test4

localhost:8080/allStudents

- [CPA Students](#)
- [All Students](#)
- [Add A New Student](#)
- Note: Locate specific student by student Id, e.g.,
<http://localhost:8080/student/3>
- [Highest GPA](#)
- [Home](#)

Student List

Student Id	Name	Program	GPA
1	name1	BSD	3.9
2	name2	BSD	3.1
3	name3	BSD	3.3
4	name4	BSD	4
5	name5	CPA	3.4
6	name6	CPD	3.2
7	name7	BSD	3.5
8	name8	CPA	3.6
9	name9	BSD	3.3
10	name10	CPA	3.8

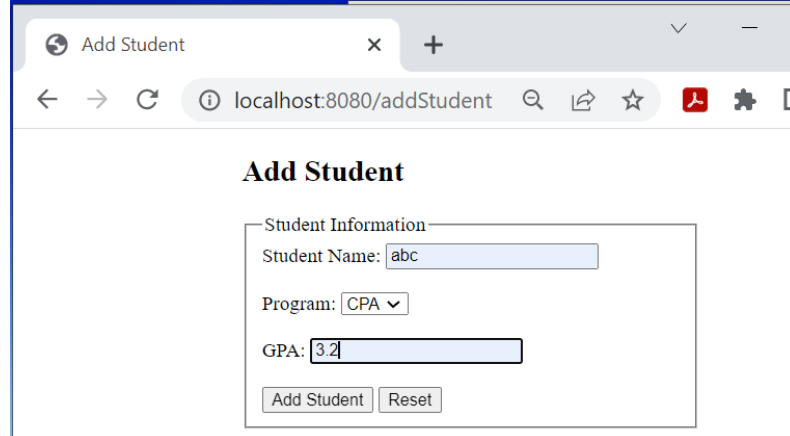
Student Honour Pledge:

I acknowledge Seneca College’s academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

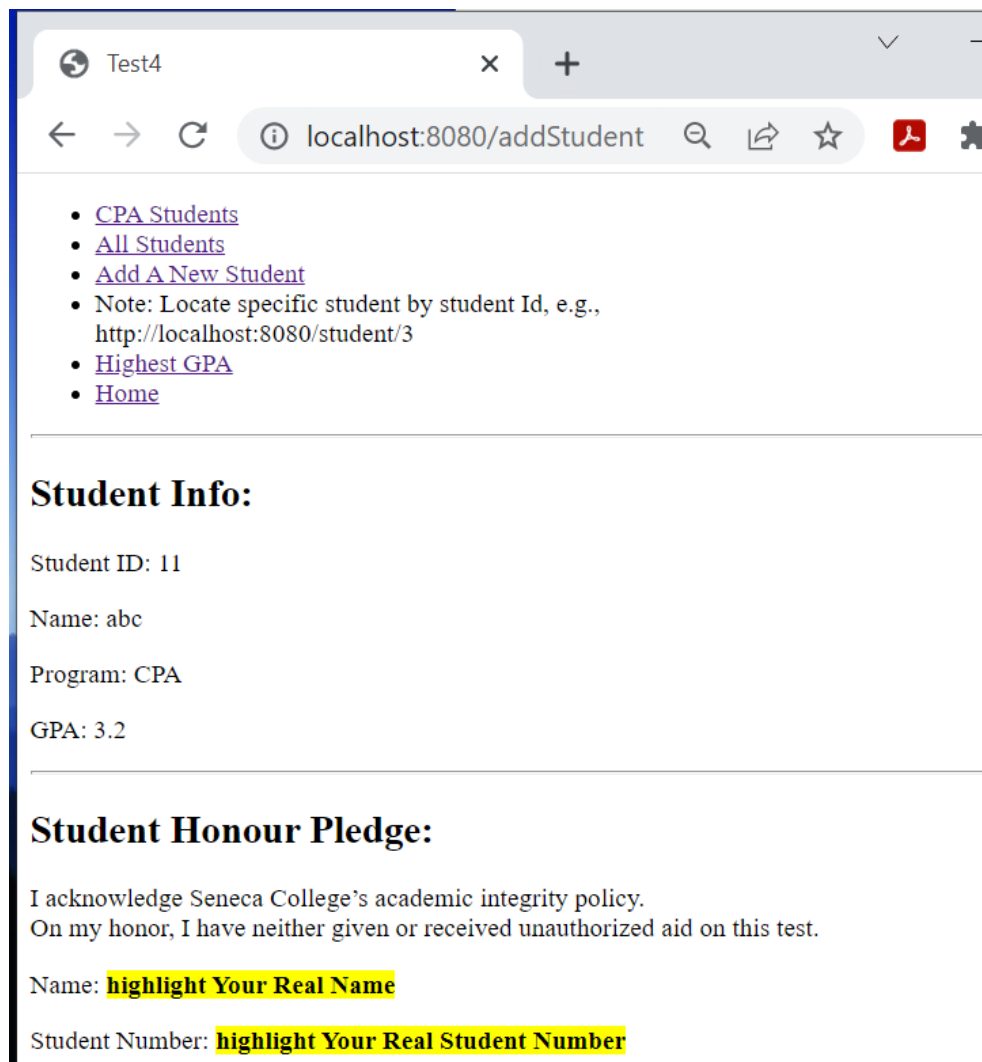
- 3) User clicks link “Add A New Student”
It directs to the page “addStudent.html” (implemented in test3)



The screenshot shows a web browser window with the title 'Add Student'. The address bar shows 'localhost:8080/addStudent'. The page content includes a form titled 'Add Student' with the following fields:

- Student Information
- Student Name:
- Program:
- GPA:
- Buttons:

After user clicks button “Add Student”, it will display the following screenshot.
Your server responds with the newly-added student using “student.hbs” with “main.hbs” default layout.



The screenshot shows a web browser window with the title 'Test4'. The address bar shows 'localhost:8080/addStudent'. The page content includes a list of links:

- [CPA Students](#)
- [All Students](#)
- [Add A New Student](#)
- Note: Locate specific student by student Id, e.g.,
<http://localhost:8080/student/3>
- [Highest GPA](#)
- [Home](#)

Student Info:

Student ID: 11

Name: abc

Program: CPA

GPA: 3.2

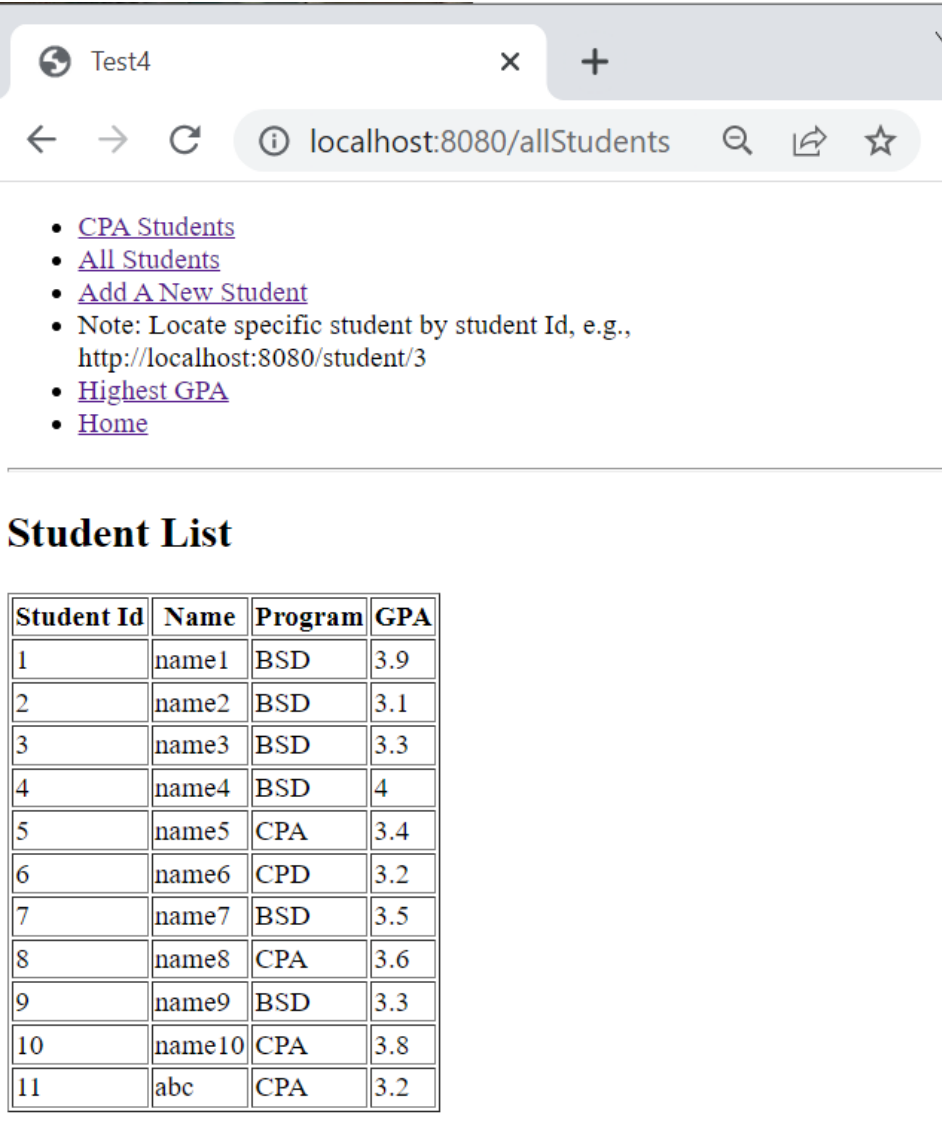
Student Honour Pledge:

I acknowledge Seneca College’s academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

If user clicks link “All Students” now, the new student should be included in the result.



• [CPA Students](#)

• [All Students](#)

• [Add A New Student](#)

• Note: Locate specific student by student Id, e.g.,
<http://localhost:8080/student/3>

• [Highest GPA](#)

• [Home](#)

Student List

Student Id	Name	Program	GPA
1	name1	BSD	3.9
2	name2	BSD	3.1
3	name3	BSD	3.3
4	name4	BSD	4
5	name5	CPA	3.4
6	name6	CPD	3.2
7	name7	BSD	3.5
8	name8	CPA	3.6
9	name9	BSD	3.3
10	name10	CPA	3.8
11	abc	CPA	3.2

Student Honour Pledge:

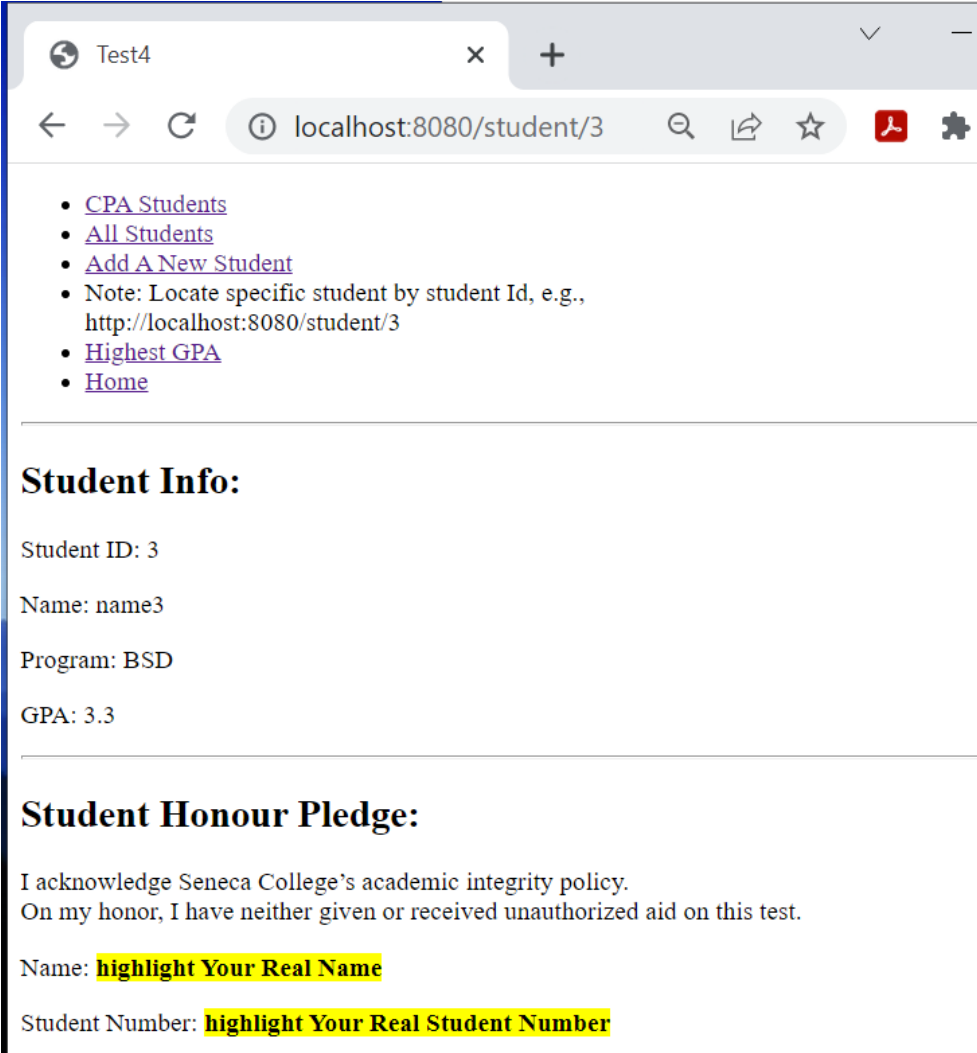
I acknowledge Seneca College’s academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

- 4) If user requests one specific student with studentId, e.g., <http://localhost:8080/student/3>
Your server responds with the student with studentId 3 using “student.hbs” with “main.hbs” default layout.

Note: user can request with different studentId. You cannot hard code studentId with 3.



The screenshot shows a web browser window with the title "Test4". The address bar displays "localhost:8080/student/3". The page content includes a list of links: "CPA Students", "All Students", "Add A New Student", "Note: Locate specific student by student Id, e.g., http://localhost:8080/student/3", "Highest GPA", and "Home". Below the links, the "Student Info:" section displays the following details: "Student ID: 3", "Name: name3", "Program: BSD", and "GPA: 3.3". The "Student Honour Pledge:" section contains the text: "I acknowledge Seneca College's academic integrity policy. On my honor, I have neither given or received unauthorized aid on this test." followed by "Name: highlight Your Real Name" and "Student Number: highlight Your Real Student Number".

Test4

localhost:8080/student/3

- [CPA Students](#)
- [All Students](#)
- [Add A New Student](#)
- Note: Locate specific student by student Id, e.g.,
<http://localhost:8080/student/3>
- [Highest GPA](#)
- [Home](#)

Student Info:

Student ID: 3

Name: name3

Program: BSD

GPA: 3.3

Student Honour Pledge:

I acknowledge Seneca College's academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

5) User clicks link “Highest GPA”

Your server responds with the (one) student among all students with the highest GPA using “student.hbs” with “main.hbs” default layout.

Test4

localhost:8080/highGPA

- [CPA Students](#)
- [All Students](#)
- [Add A New Student](#)
- Note: Locate specific student by student Id, e.g.,
http://localhost:8080/student/3
- [Highest GPA](#)
- [Home](#)

Student Info:

Student ID: 4

Name: name4

Program: BSD

GPA: 4

Student Honour Pledge:

I acknowledge Seneca College's academic integrity policy.
On my honor, I have neither given or received unauthorized aid on this test.

Name: **highlight Your Real Name**

Student Number: **highlight Your Real Student Number**

6) User clicks link “Home”, go to the home route as explained in the above.

3. Handlebars files:

You are going to implement the following three files and place them in the proper folders. Refer the above screenshots for details.

- 1) Default layout “**main.hbs**”
- 2) Display a list of students “**students.hbs**”
- 3) Display one student “**student.hbs**”

Deploy to Cyclic

- Deploy it to Cyclic.
- **NOTE:** if you have been experimenting on Cyclic and have created multiple apps already, you may delete the unused ones. If you have received a grade for Assignment 1, it is safe to delete this app also. (login to the Cyclic, click on your app, go to “settings”, “advanced” ... **Delete app**).

Submission:

- TEST & Place your app’s URL (from Cyclic)
 - in the beginning of server.js
 - on Blackboard as text submission
- If your app doesn’t work, please DON’T include this Cyclic URL. Put a note on Blackboard submission mentioning your problems instead.
- Submit the following zip file.
- Compress (**.zip**, do NOT use rar or other formats) your “test2” folder. Name it as **test4_yourName.zip** and submit it to Blackboard under **Assignments** -> **Test4**.

[Evaluation on next page]

Evaluation:

- | | |
|------------------------------------|-------------|
| • Proper file names | [0.5 marks] |
| • Server.js basics | [0.5 marks] |
| • 6 routes for 6 links | [3 marks] |
| • 3 handlebars files and 1 layout | [4 marks] |
| • Successfully published to Cyclic | [1 mark] |