CS602 Module6 Assignment

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The following document should not be disseminated outside the purview of its intended purpose.

General Rules for Homework Assignments

- You are strongly encouraged to add comments throughout the program. Doing so
 will help your instructor to understand your programming logic and grade you
 more accurately.
- You must work on your assignments individually. You are not allowed to copy the answers from the others.
- Each assignment has a strict deadline. Assignments submitted after the deadline will carry a penalty.
- When the term *lastName* is referenced in an assignment, please replace it with your last name.

Create a new folder/directory named CS602_HW6_*lastName*. Write the following programs in this folder.

REST API/XML & JSON (100 Points)

Extend the previous homework to create a simple RESTful web service in PHP. In addition to the files from the previous homework, write the *rest.php* script to process the following GET requests. The *format type* below would be either xml or json.

- rest.php?format=format_type&action=courses
- rest.php?format=format_type&action=students&course=id



Sample requests and outputs:

.../rest.php?format=xml&action=courses



.../rest.php?format=json&action=courses

.../rest.php?format=xml&action=students&course=cs602

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```
▼<students>
 ▼<student>
    <studentID>3</studentID>
    <courseID>cs602</courseID>
    <firstName>John</firstName>
    <lastName>Smith
    <email>john@smith.com</email>
  </student>
 ▼<student>
    <studentID>4</studentID>
    <courseID>cs602</courseID>
    <firstName>Jane</firstName>
    <lastName>Smith
    <email>jane@smith.com</email>
  </student>
 </students>
```

.../rest.php?format=json&action=students&course=cs602

Submission: Export your CS602_HW6_*lastName* folder containing all the relevant files as a zip file, and upload the zip file to the Assignment section.