

## Subject web application: computeGPA

ComputeGPA is a small web application, containing one JSP and one java bean. It allows users to enter credit hours and grades for each course to calculate the current GPA and the minimum GPA needed in the remaining classes designed for GMU MS students (refer to Fall 2009 catalog).

### Specific requirements

#### Functional requirements

<b>Use Case Name:</b> calculateGPA
<b>Use Case ID:</b> computeGPA-1
<b>Actors:</b> web user
<b>Brief Description:</b> The system allows users to enter credit hours and grades for each course to calculate the current GPA and the minimum GPA needed in the remaining classes designed for GMU MS student (refer to Fall 2009 catalog)
<b>Pre-Conditions:</b> None
<b>Main Flow of Events:</b> <ol style="list-style-type: none"><li>1. User enters course name along with its corresponding credit hours and grades.</li><li>2. User presses the 'Calculate GPA' button.</li><li>3. The system computes and displays the current GPA and recommended credit hours and average GPA needed in the remaining classes.</li></ol>
<b>Post-Conditions:</b> The system displays the current GPA and recommendation to fulfill an MS degree at GMU
<b>Alternative Flows and Exceptions:</b> None.
<b>Assumptions:</b> None.

#### Other Requirements

Requirement ID	Requirement
SRS_01	The system shall allow unlimited number of courses.
SRS_02	The system shall allow users to enter multiple courses.
SRS_03	The system shall accept any course names.
SRS_04	The system shall accept any number of credit hours