

**Topic:** Putty Web Service Application

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1. Problem Background	PLAN
<ol style="list-style-type: none"><li>1. Students at the University of Puerto Rico have been getting problems with doing their school tuition due to an old system.</li><li>2. System gets stuck due to its age</li><li>3. More than 57,000 students in Puerto Rico have gone through this problem</li><li>4. Does not have any type of graphics or colors. It is used on a computer terminal like we are living in the 90's</li></ol>	

2. Target	PLAN
<p>The goal to be achieved by end of semester is to create a web application that will provide users the ability to create a tuition for their semesters in a easier and more accessible way. The idea is for students to be able to have a 21<sup>st</sup> century tuition system, one that is more friendly in terms of how to choose your classes, how to know which professors are good and to see a description of your class. This will work as a kind of shopping app where students can pick their classes and put them in a kind of checkout cart. As mentioned before, the students should be able to find more information regarding their classes such as class hours, reviews of professors, the professor's picture, the class pass rate, classes descriptions, etc. This will make easier the process of creating a tuition for their upcoming semester.</p>	

3. Causes	PLAN
<ol style="list-style-type: none"><li>1. University has not updated their tuition's system in more than 20 years.</li><li>2. Current program does not offer the necessary information for the student to know more about their class</li><li>3. University has not wanted to change it</li><li>4. Current program is old school and obsolete for a university which specializes in software and computer engineering.</li><li>5. Current program is used on a terminal and not on the web.</li><li>6. Students are frustrated</li></ol>	

4. Countermeasures	PLAN/DO
<ol style="list-style-type: none"><li>1. Search which classes are available at the moment of entry.</li><li>2. See which professors are available</li><li>3. Know a little bit of background of the professor such as main biography, picture, years working at the university and reviews from students who have taken the class with the person</li><li>4. See a basic description of the class and a general syllabus.</li><li>5. The user might think the class will get full so he can <b>activate</b> a notification that notifies the user how many spaces are left every chosen number of minutes or hours.</li><li>6. If the class if full, the user can send a message to the department or professor to see if there can be an extra space.</li><li>7. A section of reviews for the app will be available.</li></ol>	

5. Check/Evaluate	CHECK
<ol style="list-style-type: none"><li>1. The app will be checked due to the active users that will use the app.</li><li>2. The app will be examined through the sections of reviews fulfilled by students.</li><li>3. If a bug is reported or found, it will fixed with the most efficiency possible.</li></ol>	

6. Act and/or Standardize	ACT
<ol style="list-style-type: none"><li>1. Give monthly updates to the app so it can run smoothly and without problems.</li><li>2. Make sure the app can handle the immense amount of students it get when it is time to make the new tuition through giving the service hard traffic to see if it can handle it.</li><li>3. If the idea can be realized in a more professional matter, it will be offered to universities in Puerto Rico.</li></ol>	