Topic: Reconstruction of UPR course enrollment System

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1. Identify a Problem PLAN

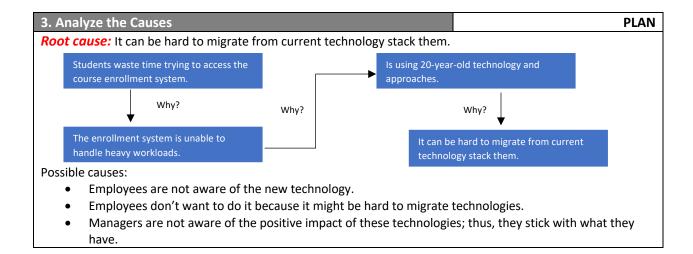
Background Context

 University of Puerto Rico uses an old, non-user friendly and unreliable system for the students to enroll courses.

Current State

 Students spends lots of time "just trying to access" the course enrollment system because it crashes. This sometimes led to students not being able to select certain courses and delay the whole process for the University.

Design and develop a serverless technology stack in order to handle heavy workloads while at the same time lowering the costs New Network Infrastructure → Withal Private Cloud APT CATCLORY Web app lambed function Barton horder to handle heavy workloads while at the same time lowering the costs **Virtual Private Cloud **APT CATCLORY **Web app lambed function Barton horder to handle heavy workloads while at the same time lowering the costs **Virtual Private Cloud **Public Superior **Rubbic Superior **Province Cloud **Public Superior **Province Cloud **Province Cloud **Public Superior **Province Cloud **Province Cloud **Public Superior **Province Cloud **Public Cloud **Public Superior **Province Cloud **Public Superior **Public Superi



4. Propose & Implement Countermeasures **Proposal:** Develop a web application and cloud infrastructure with updated technology. This will allow students to enroll courses from any device that has internet access without using third party software's like PuTTY, Shelly etc. In addition, it will handle heavy workloads while at the same time lowering the maintenance costs. Who? Cause **Countermeasure UPR** course enrollment system Create a user-friendly web Students is; non-user friendly, unstable application to enroll courses. and unreliable due to the Design a new cloud infrastructure IT department & University technology stack is using. using new technology and cloud computing resources

5. Check/Evaluate CHECK

Questions to address:

- The system still can't handle heavy workloads?
 - o If not, why?
- Are students having trouble understanding the user interface?
 - o If not, how can be improved?
- Are the costs the same or more?
 - o If not, how we can lower the costs?
- Has the network experience any security breach's?
 - o If yes, then review every security measure applied into the network.

6. Act and/or Standardize ACT

Questions to address:

- How can we ensure the maintenance costs continue to stay as they are or lower them?
 - o Evaluate the monthly bills and analyze what resources are doing the most impact.
- How can we ensure we don't get into a similar problem in 5 years?
 - Keep the IT personal up to date with the latest technologies.
- How can we keep improving the user experience?
 - Ask users for feedback.