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| **Problem Solving (A3) Report** | **Topic:** Matricula 2.0 | **Date:** 8/19/2020 |
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| **1. Identify a Problem** | **PLAN** |  | | **4. Propose & Implement Countermeasures** | | **PLAN/DO** |
| * Current online matricula is lacking in user friendliness * The system with which a student plans their classes, and then checks their availability, | | |  | | * System where users could request the history of buildings (*perhaps* to actual historical sources.)   + Historians could have permissions to dismiss facts, bypassing user verification. * System that can store the history of buildings * System that makes it easy for users to add history about buildings   + IE: This retail slot used to be held by Sears in 1980, later used by J.C. Penney * System that can add historical photos of buildings. * System that can ask users to verify the history of buildings   + IE: Ask each user if a certain fact is true or false or if a certain photo is attributable to that building.     - Possibly (optionally) ask each user why its false * System that can assign rewards to users who verify buildings correctly   + Compare what other users say, and reward those who go for the consensus (if the margin is large enough) | | |
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| **2. Set the Target** | **PLAN** |  | | **5. Check/Evaluate** | | **CHECK** |
| * Redesign and make more efficient the matricula system by using newer technologies | | |  | | **Expected:**   |  |  |  | | --- | --- | --- | | **What** | | **Complete?** | | **Coding** | User Database |  | | Login/Signup system |  | | Building Database (Info, Location, Photos, History, Pending changes) |  | | Systems to create/add building info |  | | Fact Checking System |  | | Fact Checking User Reward System |  | | **Testing** | Test the system with a small bit of research or random buildings/data |  | | **Promote** | L a u n c h |  | | | |
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| **3. Analyze the Causes** | **PLAN** |  | | **6. Act and/or Standardize** | | **ACT** |
| * The UI of the system is lacking due to the following reasons:   + Uses text-based GUI rather than visual components to interact   + Class space availability and planning are in different components, ergo inconvenient | | |  | | **N/A** | | |

Template by Ignacio Tampe