ProCp Project Plan Sprint 1

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# **Project statement:**

**a. Client:** Joe Laro

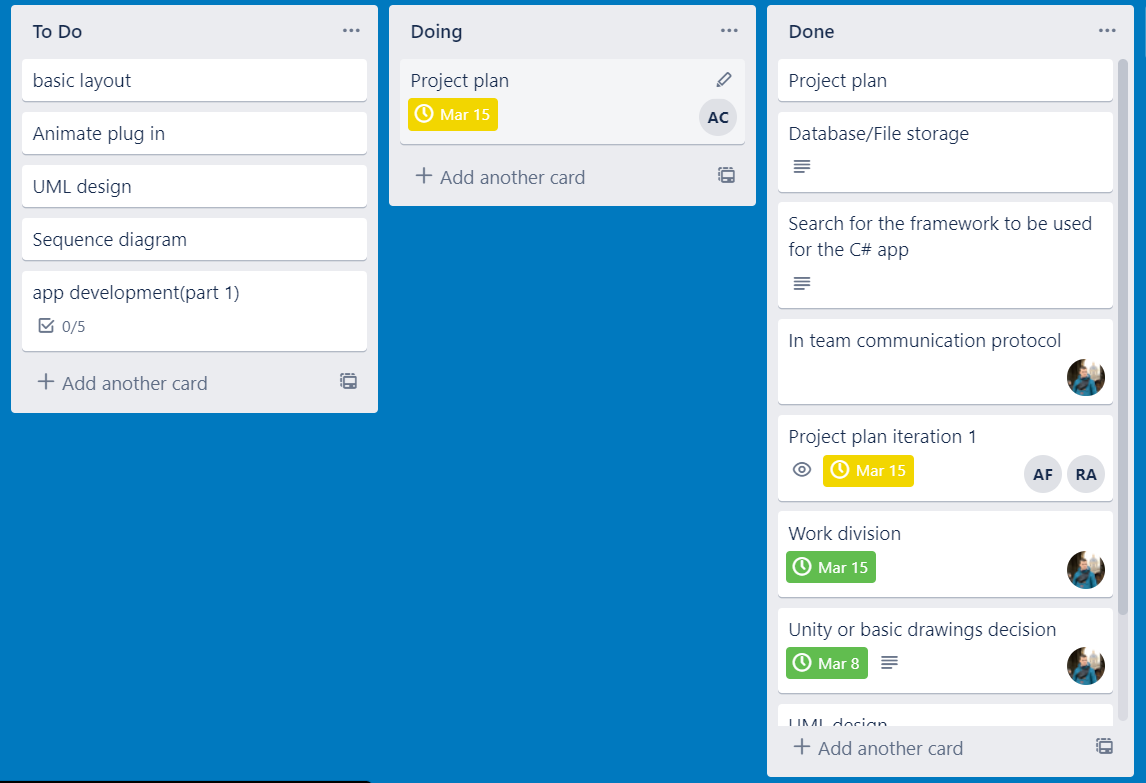
**b. Project leader:** Artemiy Chervinskyy. **Team members:** Ana Cirnu, Robert Andreescu, Andrei Frujina, Qi-Mo Lin, Ignas Apsega

**c. Iteration goal:** The end goal of this iteration is building an application that can showcase to the client the look and feel of the final app and also portrait a basic version of the main features of the complete product. It should feature the following requirements:

* The result of a given simulation, represented in the form of statistics, will be shown at the end of the simulation.
* The application starts with only one straight baggage belt and runs like so, with no option to change the belt system yet.
* The user will be able to enter the number of planes, passengers and pieces of baggage per simulation before they start the simulation. These settings cannot be altered during the run of the simulation.
* The simulation will be finite.

**d. Phasing:**

State at the beginning of the sprint:



### Week 1

**Goal:** Define the Simulation area (part of the app that will be displaying the airport).

**Steps to be taken:**

1. Create a draft version of the UMLs
2. Belt drawing in the picture box
3. Creating a component of 3 picture boxes communicating together
4. Control start of the app ( functionality of “Start” button)
5. Define simulation objects such as :
   1. Piece of baggage
   2. Passenger

**Deliverables:** none

### Week 2

**Goal:** Make documentation for the current solution, support it with UMLs, add minor improvements

**Steps to be taken:**

1. Define class relation in the existing solution
2. Recreate UMLs in case if needed
3. Add input fields to the current solution

**Deliverables:** none

### Week 3

**Goal:** improvement phase

**Steps to be taken**: to be defined

**Deliverables:**

1. Final URS for iteration 1;
2. The final version of the plan for iteration 2;
3. Source code of proof of concept;
4. Proof of concept;
5. The updated version of work division report

### Week 4

**Goal:** Prepare the proof of concept

**Deliverables:** UML Class diagram(s) & non-trivial sequence diagram(s) of proof of concept

Work division:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Artemiy | Ana | Ignas | Qi-Mo | Robert | Andrei |
| Week 1 | Start implementing | Start implementing | Start implementing | Start implementing | Start implementing | Start implementing |
| Week 2 | Develop UMLs | Sequence diagram | Develop UMLs | Develop UMLs | Sequence diagram | Sequence diagram |
| Week 3 | App improvements+fixing bugs | App improvements+fixing bugs | App improvements+fixing bugs | App improvements+fixing bugs | App improvements+fixing bugs | App improvements+fixing bugs |
| Week 4 | UMLs adjusted + Design update for next sprint | Sequence diagram adjusted | UMLs adjusted | UMLs adjusted | Sequence diagram adjusted | Sequence diagram adjusted |