**PHASE II.A : GUIDELINES**

1. Write the function that compares all the games according to their learning category (clinical field)
2. Evaluate metrics (number of apps found, papers per app, studies per app…)
3. Present all the gathered data in an easy-to-read solution
4. Write a dictionary of the most famous institutions that can cite the app in papers (not mandatory)

Legend:

Yiheng and Manuel

Walter and Simone

Yuva, Faustine

**DASHBOARD:**

*Display the level of validation per app and per clinical field.*

[What’s already done is written in green, what’s left to do absolutely is written in red, the non-mandatory stuff is written in orange]

* **First page – tab 1: Field overview**

Dash components: 2 dropdown menus (one for learning categories and one for age range).

Mandatory information to display:

* Filtered list of all apps in our database with general information + level of validation per app (show metric);
* Number of apps per learning category and age range;
* Level of validation of the field.

Additional information that we can display (if we have time):

* Graph of percentage of validation per learning category and age range.
* **Second page – tab 2: Details per app**

Dash components: 3 dropdown menus (one for learning category, one for age range and one for app names).

Mandatory information to display:

* For each app: name, app id, number of reviews, description, rating, number of ratings, age range, learning category, description, developer…;
* For each app: level of validation (metric);
* For each app: general information about the associated papers, if any (number of papers, titles, types of study).

Additional information that we can display (if we have time):

* Picture of the app;
* Message that says “for more information on the associated papers or on the similar apps, go to tab 3 or 4”.
* **Third page – tab 3: Details per validated app**

Dash components: 2 dropdown menus (one for validated app names and one for associated papers).

Mandatory information to display:

* For each paper: title, authors, journal, abstract, type of study and keywords.

Additional information that we can display (if we have time):

* ?
* **Fourth page – tab 4: Details per non-validated app**

Dash components: 1 dropdown menu (for non-validated app names).

Mandatory information to display:

* For each app: name, list of validated apps;
* For each correlated validated app: level of validation (metric), number of associated papers, titles, authors, journals, abstracts, types of studies, keywords.

Additional information that we can display (if we have time):

* ?

**Things to do:**

* Add a column containing the level of validation per app in the dataset\_serious\_games.csv so that we can display this column on the dashboard;
* Decide how are we going to compute the level of validation of the one field, in order to display it on the dashboard (tab 1);
* Add a column to the dataset\_papers2.csv with the type of study associated to each paper to display it in the dashboard;
* Create a csv of the similar apps to make it easier to display in the dashboard?

**FUNCTIONAL DIAGRAM OF THE DASHBOARD**

