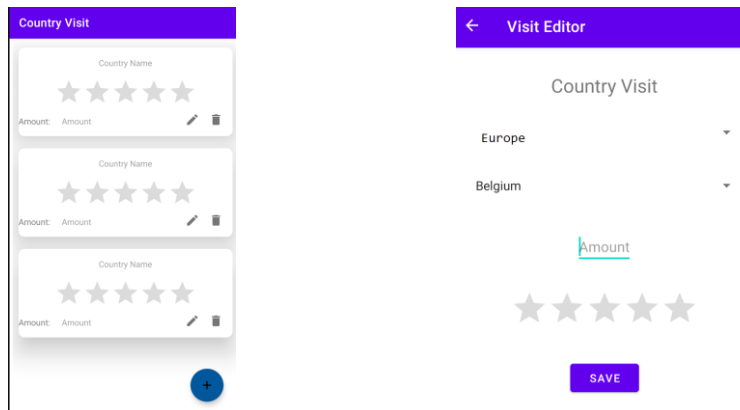# CMPS 312 – Mobile Application Development
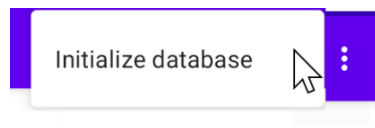## Final Practical Exam – 19 November 2020 (duration 2.5h)

Objective: In this exam you will apply your Mobile development skills to build a CountryVisit Android App. The provided UI design and implementation ins shown in the figure below.

Implementation Tasks

Complete the implementation of the provided CountryVisit base application to manage the app data using SQLite database and Room library.

1) Visits Fragment, when this fragment starts, it should load the visited countries from SQLite database then display them in the RecyclerView.

2) Implement **add a visit** to store the added country visit to SQLite database. Fill the continents spinner and whenever the continent changes then update the countries spinner.

3) Implement update visit. When the user clicks Update Visit button then show the visit details in the Visit Editor. Once the user saves the changes update the Visit table.

4) Init database with countries and continents when the user select Init Database menu option.

Grading Rubrics

Criteria	%	Functionality*	Quality of the implementation
1. Display Visits	30		
2. Add Visit	35		
3. Update Visit	15		
4. Delete Visit	10		
5. Init continents and countries tables	10		
Total	**100**		
Provide screenshots in *testing.docx*	-		*[-10pts if missing]*

* **Possible grading for functionality**: *Complete and Working* (get 70% of the assigned grade), *Complete and Not working* (lose 60% of assigned grade) and *Not done* get 0. The remaining grade is assigned to the quality of the implementation. Must submit screenshots in **Testing-GradingSheet.docx** (otherwise -10pts).