

# CTIS 487 : Mobile Application Development

Semester: SPRING 2020 – 2021

## Homework #2

Instructor: Neşe Şahin ÖZÇELİK

Assistant: Ruşen ASAN

### Guidelines:

- The application should have at least **four different activities**. They must be related to each other.
- All strings should be written into strings.xml.
- All activities should have **no title bar** and **status bar**.
- There should be a **Splash Screen** at the beginning of your application. Use the guide Extra Splash screen which is in the moodle (Splash\_Screen extra guide in the LABGUIDES part).
- There should be at least one **Customized Spinner** and **RecyclerView** in your activities.
- There should be at least one **Customized Dialog** in your activities.
- Use **Gestures** at least once to change between activities.
- Create a **JSON or XML** file to store data about your application.
- According to your file parse your data for your application (XML or JSON Parse).
- Do some modifications on that data and save it to a **database** that you will create.
- You should **display** the content of your **database**.
- Use **Toast message** for displaying warning messages, user inputs must be validated.  
**Ex:** Empty or invalid entries must be checked for Edit Texts.

### Submission:

- Create a project with your **NameSurname\_HW2** (e.g. **RusenAsan\_HW2**)
- Use **com.surname.hw2** as a package name (e.g., **com.asan.hw2**)
- Upload the completed assignment in .zip format to the course Moodle page until **April 26, 2021 at 12:30**. Make presentation at the lab hour on April 26, 2021 Monday.

### CHECKLIST:

Four Activity:	4 pts
Related Topic:	3 pts
Strings:	2 pts
Title and Status Bar:	4 pts
Splash Screen:	<u>7</u> pts
Gestures:	10 pts
Toast message for warning:	5 pts
Customized Spinner and RecyclerView	15 pts
Customized Dialog:	15 pts
JSON or XML Parse	15 pts
Database	20 pts