



Mobile Application Project Themes

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Audience : L3 Computer Science Students of university khemis miliana

Project Aim and Expected Work

The aim of these project themes is to provide you with practical experience in building mobile applications using Jetpack Compose. Each project will focus on specific aspects of app development, including user interface design, database integration, and project organization. Your task is to implement two to three screens for each project, showcasing interactions, UI elements, database functionality, and overall project structure. This approach will help you gain familiarity with Mobile development concepts, Jetpack Compose components, and Gradle configuration.

Project Themes

Theme	Description	Subgroup
Shopping List App	Develop a simple shopping list application where users can add, edit, and delete items they need to buy [cart functionality].	G 1 : (09),(01) G 2 : (04) (10)
Simple Calculator App	Create a basic calculator app that allows users to perform basic math operation , in addition to scientific functionalities like sin , cos , etc , by other word make a replica (copy) of scientific calculator with keeping data about the last expressions	G 1 : (12),(02) G 2 : (03)
Task Manager App	Build a task manager application enabling users to create, edit, and mark tasks as completed.	G 1 : (07),(03) G 2 : (05)
Simple Note-Taking App	Develop a straightforward note-taking application allowing users to create and view text-based notes.	G 1 : (11),(04) G 2 : (02) (09) (11)
Contact List App	Design a contact list application where users can add, edit, and delete contacts.	G 1 : (10),(05) G 2 : (01)
Movie Catalog App	Create a movie browser application displaying a list of movies fetched from a local dataset.	G 1 : (08),(10) G 2 : (06)
Recipe Viewer App	Develop a recipe viewer application showcasing a list of recipes with brief descriptions.	G 1 : (06) G 2 : (08)
Expense Recorder App	Build a simple expense recorder app allowing users to input and categorize their daily expenses.	G 1 : (07) G 2 : (07)
Point Of Sale	Build a simple Point Of Sale System that allow user to add product to a cart and validate the purchase , keeping track of the purchases history	G 2 : (12)

Table 1: Project Themes

Note

Don't hesitate to reach out if you encounter any challenges—I will be here to help.

During lectures and practice sessions, we'll provide examples for each theme to help solidify your understanding.

Feel free to ask questions and explore variations to enhance your skills.

Contact Email : i.kridi@univ-dbk.m.dz -click to send-

Student list

Group 1

subgroup 1: Koumani Idris , Kifouch Wathik ,Taiba Ilyes

- subgroup 2:** Douadjia Abdelkarim , Sadouki Nassim ,Bardad Abdelrahim
- subgroup 3:** Mahamedi Dhiya Eddine , Abbous EL Arbi , Sbabdji Hicham
- subgroup 4:** Nekkaz zakaria , Mahfoud Med , Zian Athman ?
- subgroup 5:** Ben Achour Hamida , Belkacem elrahmani Bouchra
- subgroup 6:** Kacedali Nihad , Lakhdar zin Hanaa , Ben Amer Fatima zahra
- subgroup 7:** Bouharaoui Ilham , Larbi Bou Amrane Amira
- subgroup 8:** ouadah AKram , zouggar Abderahmen ,Lamin Imede Dine
- subgroup 9:** Dellimar Youness , Loukarfi Mustapha
- subgroup 10:** Mechach Abdeladim , Miloudi Chahinez
- subgroup 11:** ouchrief ahlem , Arbane Samah
- subgroup 12:** Oualihine wafa

Group 2

- subgroup 1:** Ainin Fares , Ratta Abdel Basset ,oubach Abdellah
- subgroup 2:** rezkellah Youssra , Ben Aicha Matti Wissa
- subgroup 3:** zernini luoiza , Oudadi Nadjla
- subgroup 4:** Khelili Fadhila
- subgroup 5:** Saiab Rayhana , Kaddi Samira ? , Belhathat Fadia Rihab
- subgroup 6:** Zougar Kholoud , Belmachri Kaouther
- subgroup 7:** Alili Taib , Boudjamane Mohamed amine
- subgroup 8:** Belarbi Zakaria
- subgroup 9:** Benrabah Marwa
- subgroup 10:** Mechali Said , Terfa Mohamed
- subgroup 11:** Saddek Ben Abbas
- subgroup 12:** Boukerroucha Nihad

names with ? at the end are mistyped names and need confirmation

Evaluation

Your project evaluations will be based on:

- UI Design Concepts: 10%
- Object-Oriented Programming (OOP) and Database Concepts: 10%

The implementation of these concepts into your projects will be evaluated, with:

- UI Implementation: 30%
- Database Implementation: 30%

Additionally, your project structure and organization will contribute:
Project Structure and Architecture: 20%

Note : Please ensure that your project is adequately documented in a report.

Deadline : Project reports must be submitted [**4 days before the evaluation**]. The presentation day will be the **last session** before the exams.

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