Team Challenge

Aim: Design a useful app which complies with requirements below

Deadline: **5/3/2021**

Challenge

Each team is required based on their knowledge and what was learned in class to date to come up with an idea for an app. Each team must make a plan including deadlines and targets. Based on the plan team members will design and develop various activities with a team leader compiling the complete project in Android Studio. Each team must forward the apk file to your teacher by the deadline date.

Each app must comply with the following requirements:

- Participate in the execution of a project plan addressing the on-going planning, maintenance and upgrading of mobile platforms and technologies
- Demonstrate a basic mobile application development lifecycle, including API description for various operating systems, user interface considerations and deployment requirements
- Explore the use of programming concepts in mobile application development
- Demonstrate an understanding of mobile app development concepts and working with APIs
- Use local and networked data and data stores
- Use a mobile application development environment to install, configure, test, and deploy a prescribed basic mobile application

Teams

Arrange teams and agree responsibility for

- Design/Colour Scheme - choose someone good with graphics/colours
- Java/XML coding for various activities / elements – choose a good java programmer
- Database – SQL or Realtime database creator – choose someone with good java background or with SQL experience
- Team leader who compiles all code/graphics/etc together in one Android Studio project – choose someone competent with skills in Android Studio, etc

Tasks

All tasks to be completed and forwarded to Team leader by deadline date.

Production Plan

Task	Description	Responsibility of	Deadline
Idea for app	Invent app	Team	24/2/2021 11:00
Production plan	Production Plan including dates/deadlines	Michael Moriarty	25/2/2021 19:00
Graphics	Design/plan icon for app, images, colour scheme, etc	Daniel Cody	26/2/2021

Organise your Team

Team Leader Cloud db
Graphic Designer
SQL db
Java

Idea for App

1 - Dan's team: Food Ordering App
2 - Jordan's team:

SQL Db

- Create Db
- Create class to store data

Java Programmer

- Support SQLite db
- Support Team Leader
- Code activities (eg calculations)
- Comment source code

Team Leader

- Organise meetings
- Put project together in AS
- Create Realtime Db
- Testing
- Comment source code

Graphic Designer

- Research (eg other apps/material.io)
- Colour Scheme (hex codes)
- Logo app / Business logo
- Layout for each activity
- Diagrams
- Photos / images
- Font / font size (Roboto)
- Video / Music (eg mp3/4)