A Category (maximum points 60):

1. AFD - Create a file manager for Android. The user should be able to easily navigate through the filesystem and perform operations such as deleting a file/folder, moving/copying a file/folder, renaming a file/folder and editing/creating text files.

2. SportScores - Create an app for displaying scores for various sports. For each sport there must be several categories, such as leagues from different countries or continental competitions. The data may be fetched from any web service/source. For each sport display live events such as the current score and text commentary. You must be able to access past events and see scheduled future events. The user should be able to follow some events and receive live notifications.

3. TechNewsAgg – Create an app that aggregates tech news from different sites and displays them all in one unified news feed. The app should have a list of possible news sites to which the user can subscribe as well as support for multiple users (locally). Each user will be displayed only news from his subscription list. These preferences should be stored using SharedPreferences. The app should also have a welcome screen. (EX. https://feeder.co/knowledge-base/rss-content/rss-lists-popular-and-useful-rss-feeds/)

4. Netflix app clone (mobile + web):
    a. Home page (browse) without playback (no video, just thumbnails)
        i. First movie big view (with thumbnail and title)
        ii. Top10 in Romania list
        iii. Other categories
        iv. Netflix Originals (different format)
    b. More info page (modal) without playback
    c. Series/Films/My List pages

5. Spotify app clone (mobile + web)
    a. Left Side panel (web) / bottom nav bar (mobile)
        i. Home/Your Library/Search(not functional)
        ii. Playlists
    b. Home page (mobile + web)
        i. Frequent playlists (tiles)
        ii. Made for User (cards)
        iii. Other categories
    c. Playlist view (mobile + web)
    d. Song playing view (no video, just background)
    e. Like song functionality (liked songs playlist)

6. Weather Alarm – Create an app that will allow you to set alarms for different times of the day. Each alarm should be placed into a list after creation, sorted by trigger time and should have the option to have as a ringtone the reading out loud of the weather on that

day (general presentation, temperature, wind, rain chance). The app should get the location of the user automatically and should use a weather API for weather information in that location.

7. Tazz app clone (mobile + web):
    a. HomePage
        i. Food & More
        ii. Restaurante Favorite
        iii. Meniul Zilei
    b. BottomNavBar
        i. HomePage
        ii. Cos
        iii. Comenzi
            1. Purchase history, with purchase item view
        iv. Cont
            1. Name
    c. View for Restaurants
    d. View for one Restaurant
        i. Header with thumbnail and details
        ii. Tab view with items by category (each tab is a category)

8. Travel Planning App. (mobile + web) The user should be able to choose a location (a city) and for that location to organize a single or multi day trip. Each day should be viewed in a tab bar view with a timeline for each day. For each element in the timeline the user must be able to move it up or down, or remove it entirely. Also, the user must be able to create new elements in the timeline. For each element he must be able to select geographical coordinates, select a duration and add comments. (Checkout visitacity.com)

9. PlayStation App clone (mobile only)
    a. Homepage
        i. 3 of the most recent played games displayed with thumbnail and trophy details
        ii. Top panel for friends chats and friends online
        iii. BottomNavBar
            1. Play (homepage)
            2. Explore
            3. PS Store
            4. GameLibrary
            5. Search

10. HBO Max App clone (web + mobile)
    a. Home page (browse) without playback (no video, just thumbnails)
        i. First movie big view (with thumbnail and title)

ii. My List
iii. Other categories
iv. Just Added (different format)
   b. Single item page (for series with seasons, for movies more like this and details)
   c. Side Panel (mobile + web)
      i. Categories
      ii. Hubs
   d. BottomNavBar (mobile)
      i. Home
      ii. Search
      iii. Account

B Category (maximum points 45):

1. Google Tasks Clone (mobile + web):
   a. Splash Screen
   b. Tab Bar Views with Task Lists
   c. BottomNavBar with button for new tasklist
   d. Split view of completed/to complete tasks for each tasklist

2. Budget Tracker.(mobile + web) The user should be able to insert a new expense with an amount and category. He/she/they should be able to see their expenses grouped by month/day/year and/or by category.

3. Movie App. This app should give the user the possibility to browse through movies, and for every movie he can see details about plot, actors, producers. Each user should have the possibility to have a list of favorite actors and movies. The user can also see the movies grouped by genre.

4. WhatsApp clone (mobile + web):
   a. Chats view
   b. Single chat view with messages
   c. Dark and light theme

5. Google Keep clone (mobile + web):
   a. All Notes view (list and cards)
   b. Single note view (only simple text notes, no checklists or images)
   c. Create note
   d. Dark and light theme

6. MorseCode - This app should take a phrase and at the touch of a button should make the led on the phone flash the morse code for that phrase. It should also display the

code for a certain character when the led is flashing it. The app should also be able to send that code via sms. Also, the app should be able to decrypt the received sms.

7. WhiteTile - The game consists of a grid in which there are white/black tiles coming from the top of the screen to the bottom with an increasing speed. The goal of the game is to touch only the black tiles(which should make a sound). Menu with highscores, share on facebook, new game.

8. FlipFive - This is a logic puzzle in which you have a square grid of 3x3 cells. Each cell is initially either white or black. When you click on a square it flips, or toggles, the color of that square and the colors of its four immediate north, south, east and west neighbors that exist (they don't exist if they would be outside the grid).The problem is to find the minimum number of cell clicks to transform a grid of all white cells into the input grid (which is always possible). You cannot rotate the grid.
link:http://coj.uci.cu/24h/problem.xhtml?pid=3008

9. BlooDoChalenge App clone:
    a. Home page (clasament, puncte, numaratoare inversa pana la donare)
    b. BottomNavBar
    c. "Mai mult" (clasament, istoric donari)

10. Solitaire → make a Solitaire like game, with records and dificulty levels. It should have several options (like the number of cards that are being drawn - 1 or 3, the backend of the cards, etc).

C Category (maximum points 30):

1. ScienceCalc - create a scientific calculator. It will have support for trigonometric functions and other functions. Also it will support composed expressions (use math library).

2. MegaConvertor – create an app for measuring conversions and currency. It will have support for various physical measures(length, temperature, pressure, weight) and several currencies. The last rates and converted values will be stored persistent. The exchange rates should be automatically feeded.

3. APad - Create a notepad for android. The user should be able to open/edit/save text files and apply some simple formatting options for parts of the text (text font size and style, bold, underline, etc.)

4. CountDown - Create an app which will display a countdown from 5 to 0 with a dynamic time interval without showing the last two digits (0,1). The point of the game is to click that moment when it should be 0 without seeing the actual digit. The app should have a

welcome screen, the game, and a menu with "New Game" , "HighScore" and social media share.

5. GuessTheLogo – Create a game app that will make the user guess the brand name of certain logos displayed as pictures. The app should have a collection of pictures with logos of brands, tagged with the brand name. The user will be displayed the picture and would have to write the name of the brand. The app should have a welcome screen, the game, and a menu with "New Game", "HighScore" and social media Share.

6. Listonic App clone (web + mobile)
   a. Multiple shopping lists
   b. Elements in list should have a category
   c. Add/delete elements

7. Timer App. The user should be able to set a timer with hour,minute and seconds, after the time ran out, there should be a sound played. The elapsing time should be displayed as well as a graphical feedback (progress indicator). Start, cancel and pause features should be supported.

8. Stopwatch App. The user should be able to start a stopwatch and set lap times. Each lap time should be displayed in the list below the stopwatch. Start, lap, resume and reset functions should be supported.

9. TicTacToe → make a TicTacToe game, with options to run against the computer (with different levels) or another human opponent.

10. HangMan - make a simple hangman game, with a dictionary of 100 romanian words that are chosen randomly.