

# CMPE 408 Mobile Computing

## Project-01

In this project you are asked to implement a simple mobile application that collects a student information. Therefore, this app should have a good friendly user interface for users to input information. Also this app should have property to check valid data. Some common requirements are:

- All text/title information must be saved on “string.xml” file
- All widgets must have background/foreground, padding, margin, text size properties
- For EditText widgets, you must provide “hints”
- Expected information:
  - Student ID (must be 11 digits and integer numbers)
  - Student Name, Last name (two textedit widgets)
  - Birth Date (use date-picker)
  - Birthplace (select city code number from a spinner. Then related city name will be appeared. Use a simple matching algorithm)
  - Gender (user radio buttons)
  - Faculty (user spinner, so select previously inputted list)
  - Department (user spinner, so select previously inputted list)
  - GPA (real number, 3 digits)
  - Scholarship (full, half, none, use radio buttons)
  - Additional Info (Here, use a check box. If the check box is selected, then a textInput filed is opened you HAVE to input some information)
  - Three buttons (submit, rest, exit)
  - Submit button: submits information, reset button: clears and set all items to default status, exit button: closes the app

- Submission: with the submission, all collected information must be display in a text view widget. Requirements:  
Data\_label must be bold and italic, data must be a colored text (text view supports such properties, see lecture slides).  
For example:

Submitted information:

***ID:*** 34562356782

***Name:*** Ali

***Last Name:*** KARAHAN

***Birth Data:*** 22/07/2020

***Birthplace:*** Ankara

***Gender:*** Male

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Marking:

- All group members must be present during the presentation (data will be announced)
- During presentation, you maybe asked to modify your code (add-remove widget, modify algorithms etc)
- All students must upload (java, xml (layout, string, screenshot or other))
- Write a project report (3-4 pages long) that includes short description, sample code, sample screen shots, short conclusion etc
- Write your group name and members on the cover of project report.

Note: you may use this project in you second project. So do it more seriously.