

# CSci 245

# Mobile Software Development

Instructor:

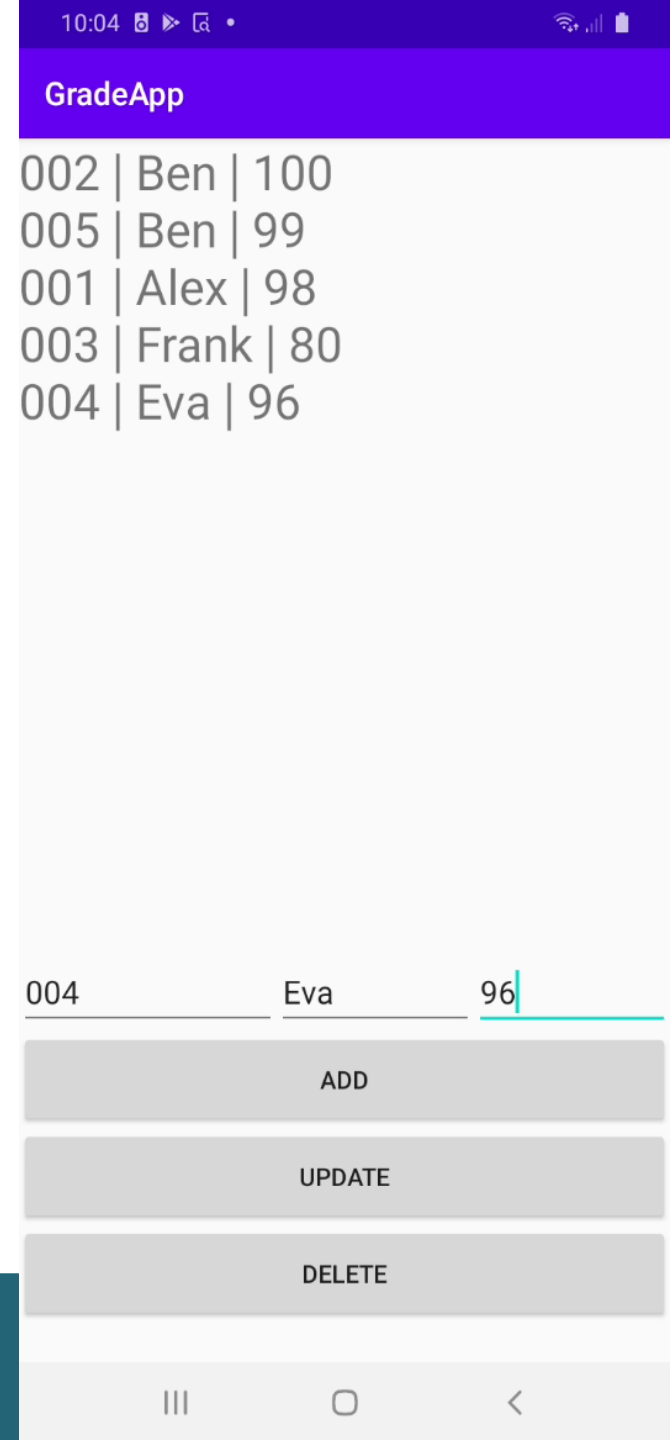
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ANDROID

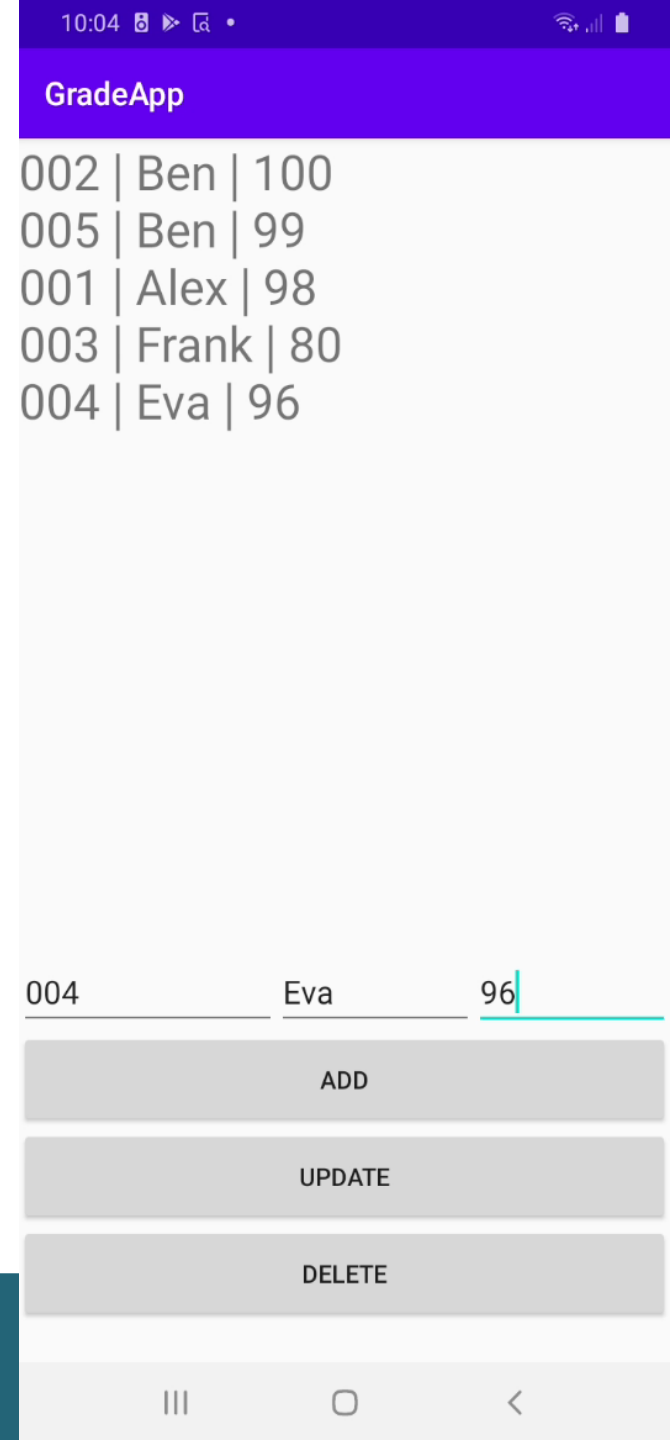


# StudentApp

- A student has an ID, name, and a grade
- TextView show different records on different lines
- User can add, update, or delete the grade records
  - When three fields are filled, add the record
  - When id is filled, update the grade by id
  - When only name is filled, update the grade(s) by name
  - When id is filled, delete the grade by id
  - When only name is filled, delete the grade(s) by grade



- Create student class. Add @Entity and @PrimaryKey
- Create @Dabase StudentDB : RoomDatabase()
- Create @DAO interface
  - getAll()
  - insert()
  - updateStudentByName()
  - updateStudentById()
  - delete()
  - deleteStudentByName()
- Create ViewModel
  - initialize database in MainActivity
  - add functions to call DAO functions.



# Submission

- Submission (DUE 11:00 pm Sunday)
- What to submit:
  - ONE Code .zip file
  - One video of screen recording (.mp4, .mov, or .wmv)
  - showing implemented functions

