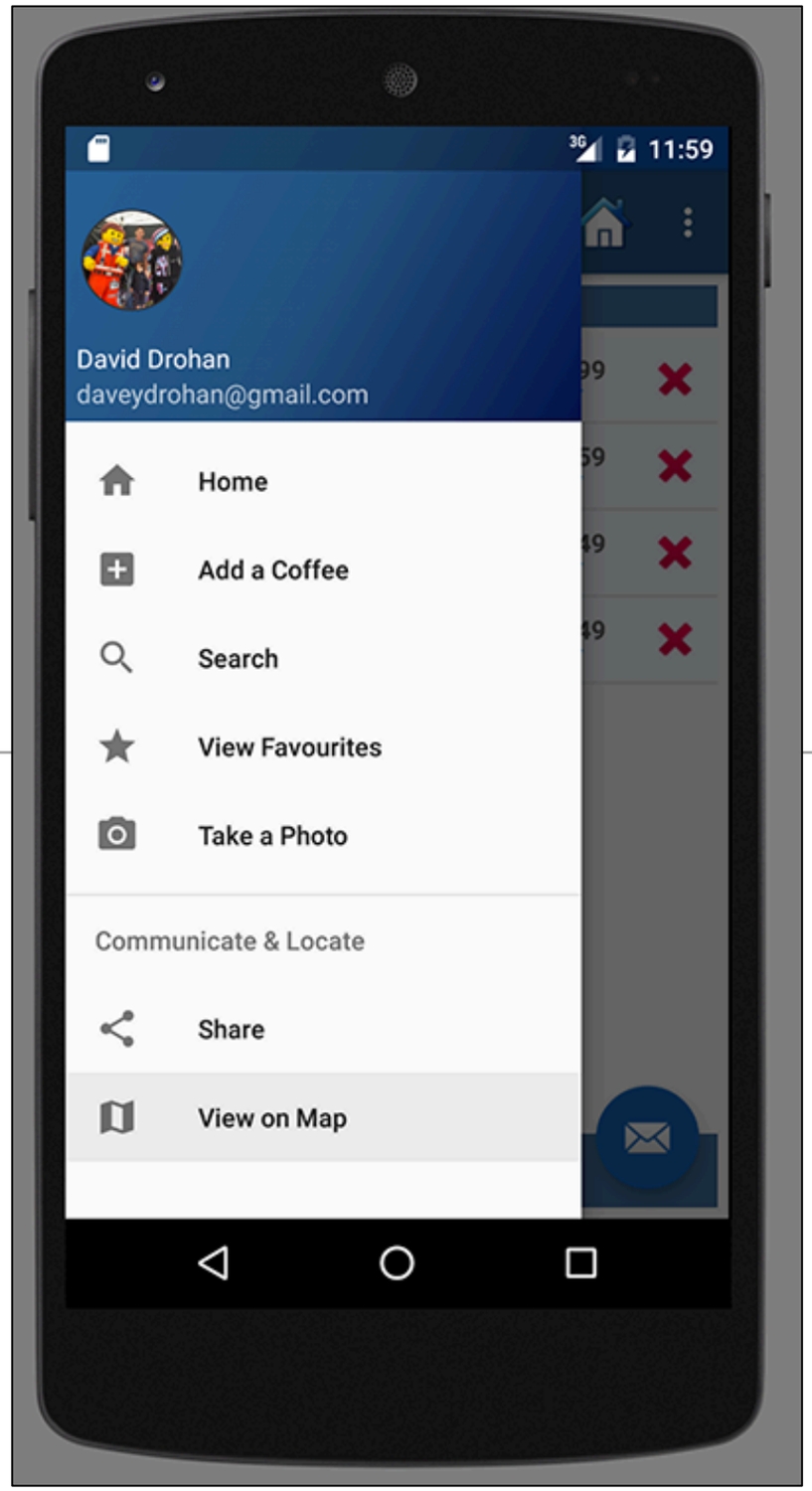
Assignment

100% of Overall Grade



Agenda

- Specification
- Grading Rubric
- Submission Guidelines
- Presentation

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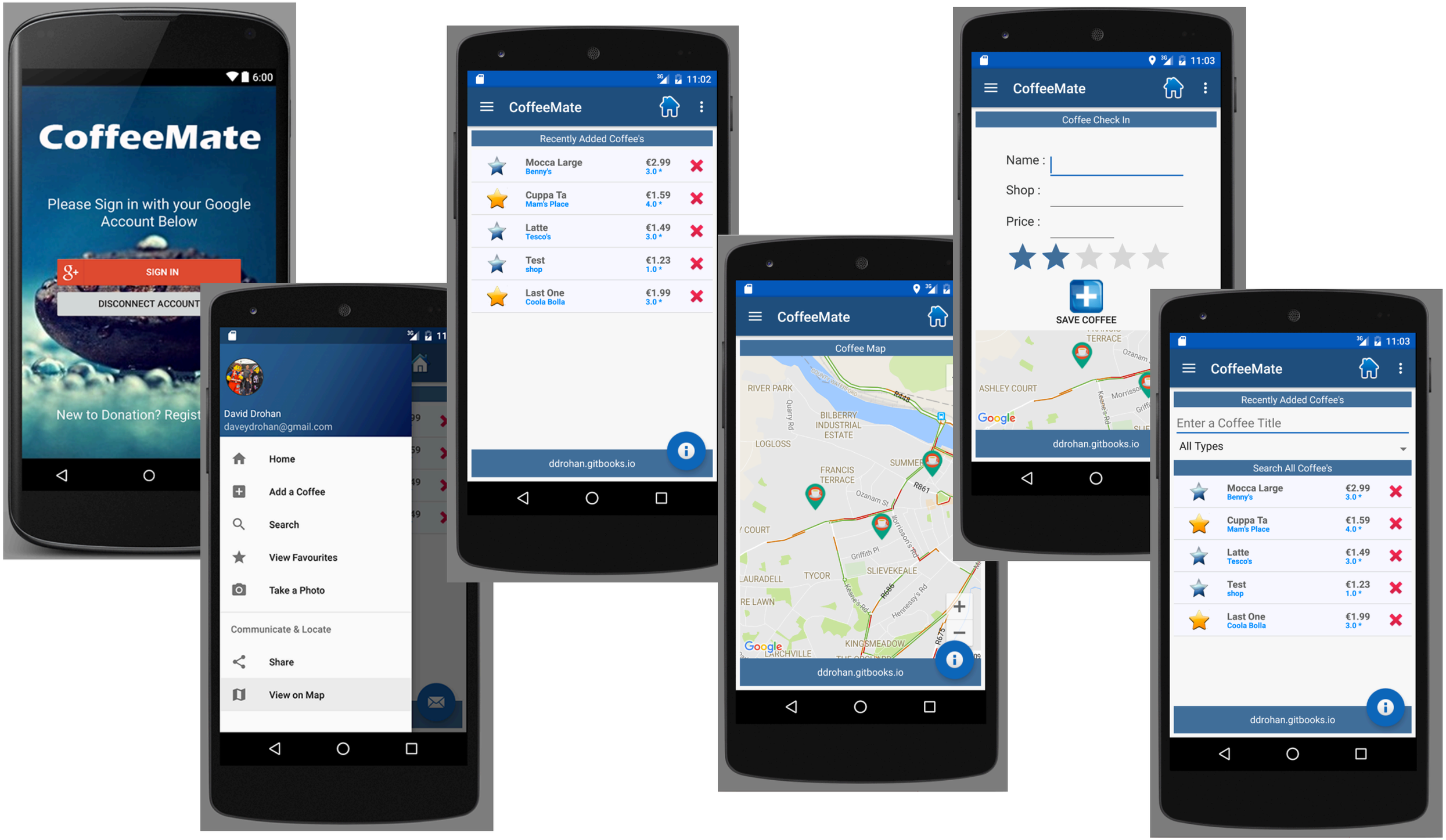
Assignment 1

Work on your own app, exhibiting similar level of complexity/feature density as covered in throughout the Semester.

Sample Features (as covered in Case Study)

1. Introduce a ‘Splash’ Screen (via multithreading)
2. Enable User Signup / Registration / Login.
3. The coffees are persisted (in an SQLite database), and will be reloaded when a user logs in.
4. Support viewing individual coffees.
5. Allow a user to delete all coffees from the database.
6. Individual coffee can be updated/deleted/filtered
7. All coffees can be view on a map
8. Current user location stored when coffee added

Sample Features (as covered in Case Study)



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Assignment Rubric for Assignment 2

Standard	Functionality [50%]	Persistence [20%]	UX [20%]	DX [10%]
Baseline	Assignment 1 Functionality with full CRUD	Persistence for duration of app only.	Conditional App Navigation (via Menus)	Data Validation
Good Pass line	Additional Functionality as part of CRUD eg searching/filtering	Shared Preferences	Use of UI elements to complement UX eg NumberPicker Vs EditText	Adherence to Android Best Practices
Very Good	Use of 1 3rd Party API	SQLite	UI Guidelines adhered to	Automated Testing (models)
Excellent/ Outstanding (70%+)	Use of Google APIs	Cloud-based Persistence	Material Design Guidelines adhered to	Repo Usage, git etc.

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README file

Include a DESIGN Document file (max 20 pages):

- Name and Student ID.
- In depth description of all (new and old) functionality, including, if any, 3rd party and/or Google APIs used.
- Appropriate UML & Use Case Diagrams
- Persistence approach adopted i.e. what's persisted and where, including database schema.
- Git approach adopted and link to git project / access.
- UX/DX approach adopted.
- References

Submitting Project Code and APK

Submit zip of code via Moodle dropbox. This zip should also include:

- the README file and
- an APK of your project.
- full source of your project (excluding temporary build files

Give read access to your lecturer to your GitHub / BitBucket repos. GitHub and BitBucket ids are:

- ddrohan.

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Presentation

You will be allocated a 15 minute slot in the week 12 practical labs to present your project.

- Attended by Tuition team only.
- 15 Minute to include demo + Q&A.

Note: I will be strict on the 15 minute allocation, so please arrive into the room with your Laptop ready to go with your app / code walkthrough.

Questions?