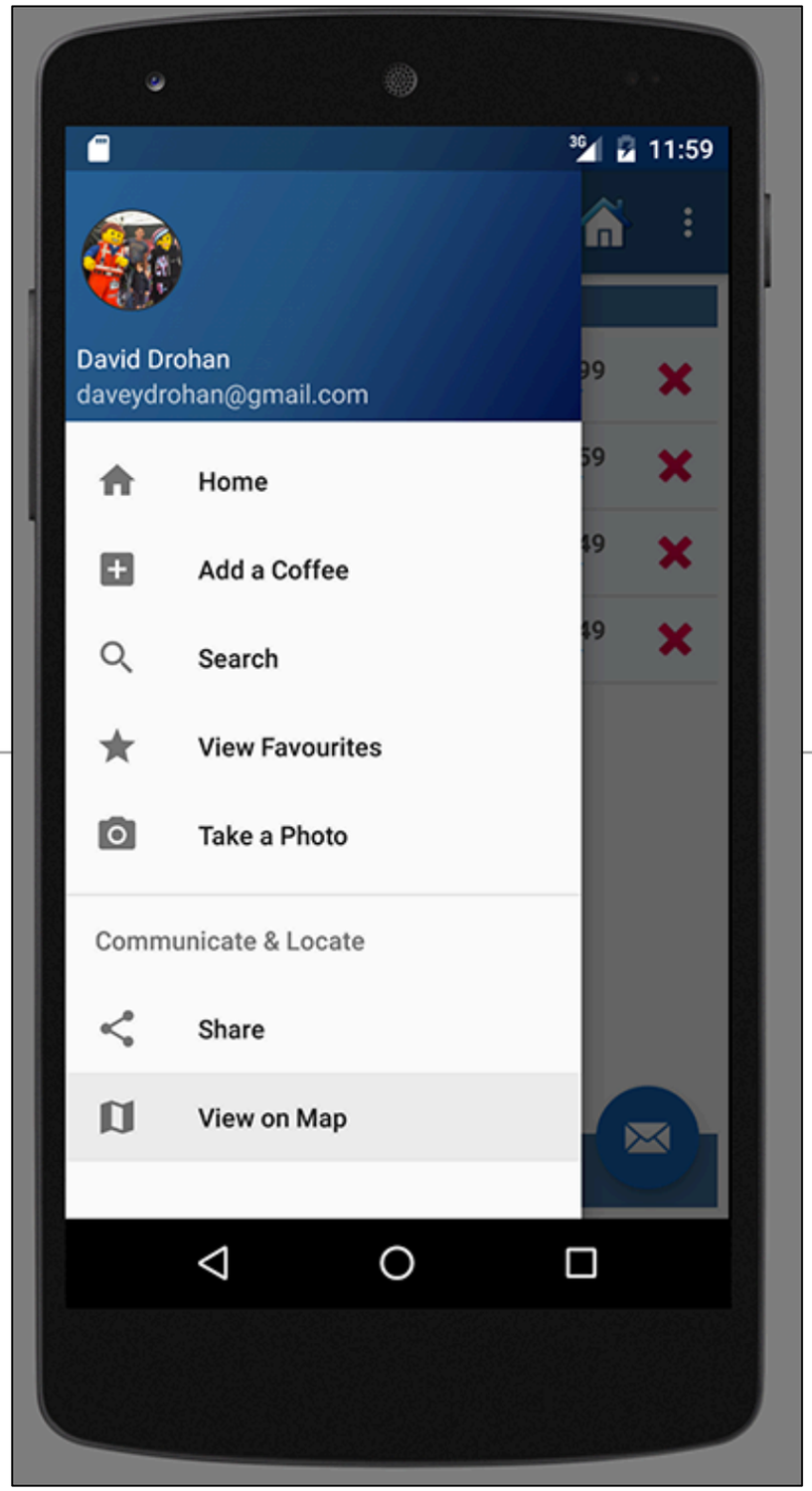
Assignment

100% of Overall Grade



Agenda

- Specification
- Grading Rubric
- Submission Guidelines
- Presentation

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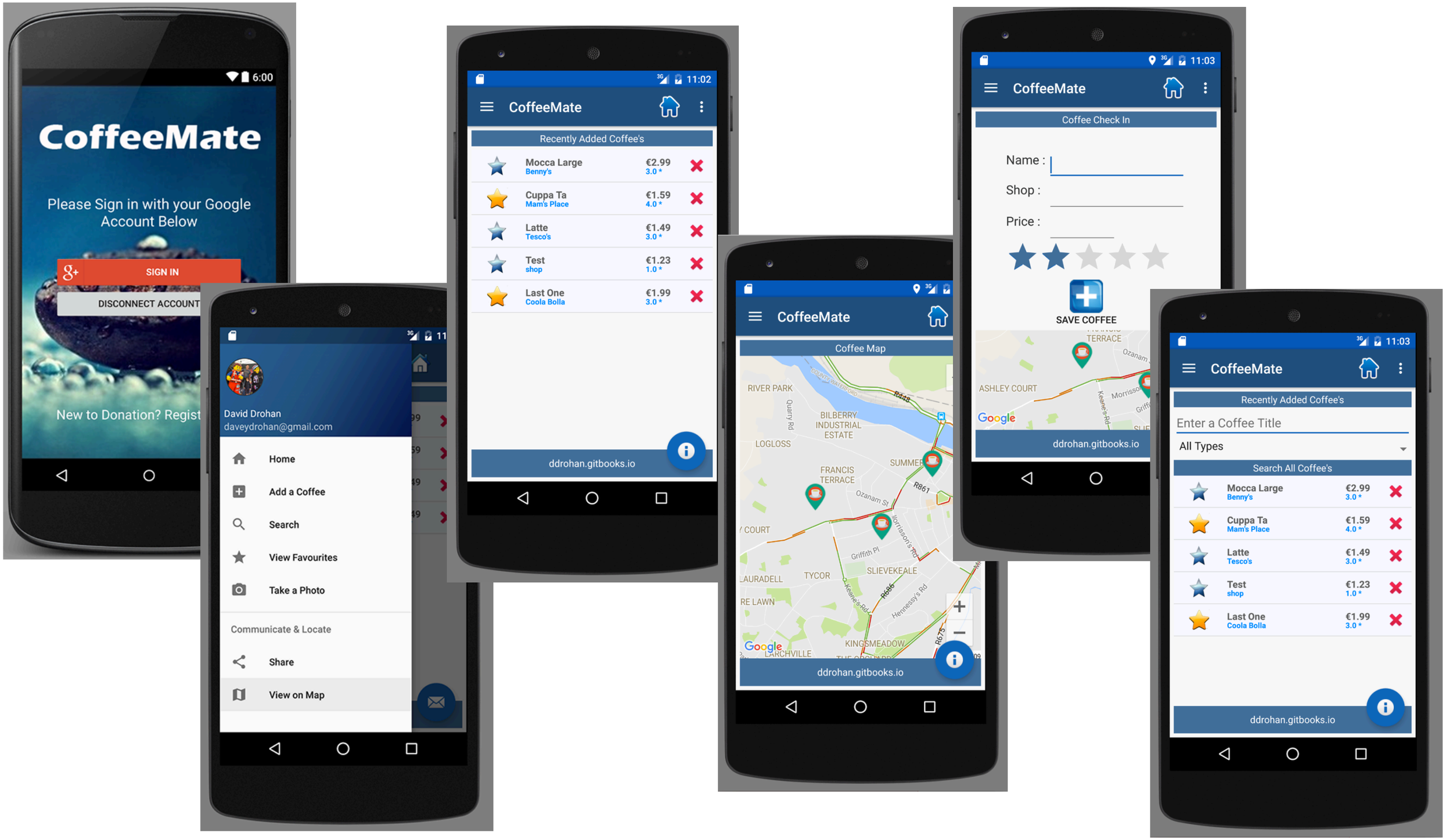
Assignment

Develop your own app, exhibiting similar level of complexity/feature density as covered in the Case Study throughout the Semester.

Sample Features (as covered in Case Study)

1. A ‘Splash’ Screen (via multithreading)
2. Enable User Signup / Registration / Login, via Google Sign In
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 via Google Maps
8. Current user location stored when coffee added

Sample Features (as covered in Case Study)



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Assignment Rubric (80% of Final Grade)

Standard	Functionality [60%]	Persistence [20%]	UX [10%]	DX [10%]
Baseline	Basic Functionality with full CRUD	Persistence for duration of app only.	Conditional App Navigation (via Menus)	Data Validation
Good	Additional Functionality as part	Shared	Use of UI elements to complement UX	Adherence to Android Best
Pass line	of CRUD eg searching/filtering	Preferences	eg NumberPicker Vs EditText	Practices
Very Good	Use of >1 3rd Party API	SQLite	UI Guidelines adhered to	Repo Usage, git etc.
Excellent/ Outstanding (70%+)	Use of Google APIs (or equilavent) for authentication, location etc.	Cloud-based Persistence	Material Design Guidelines adhered to	Automated Testing (models)

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Technical Report (20% of Final Grade)

Include a Technical Report, comprising of:

- In depth discussion of all functionality, including, if any, 3rd party and/or Google APIs used.
- Your App's future development and possibilities.
- The Business Case for the success of your App
- Personal Statement.
- Git approach adopted and link to git project / access, if any.
- References

Submitting Project Code and APK

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

- The Technical Report 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 (if applicable). GitHub and BitBucket ids are:

- ddrohan.

Agenda

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Presentation

You will be allocated a 30 minute slot in the final week of lectures and practical labs to present your project.

- Attended by Tuition team only.
- 30 Minutes to include demo + Q&A.

Note: I will be strict on the 30 minute allocation, so please arrive outside the room ***at least 10 minutes before your scheduled time***, with your Laptop ready to go with your app / code walkthrough.

Questions?