

Assignment 2

50% of Overall Grade



Agenda

- Specification
- Grading Rubric
- Submission Guidelines
- Presentation



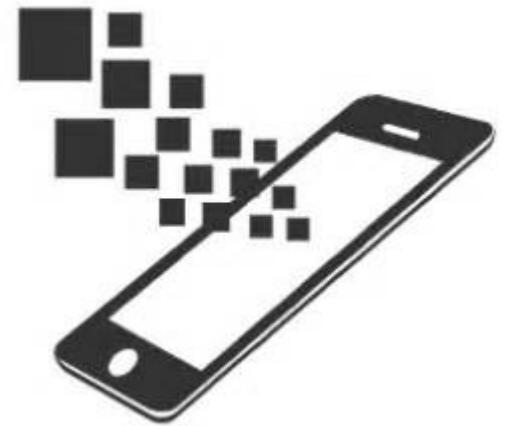
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Assignment 2 – Options

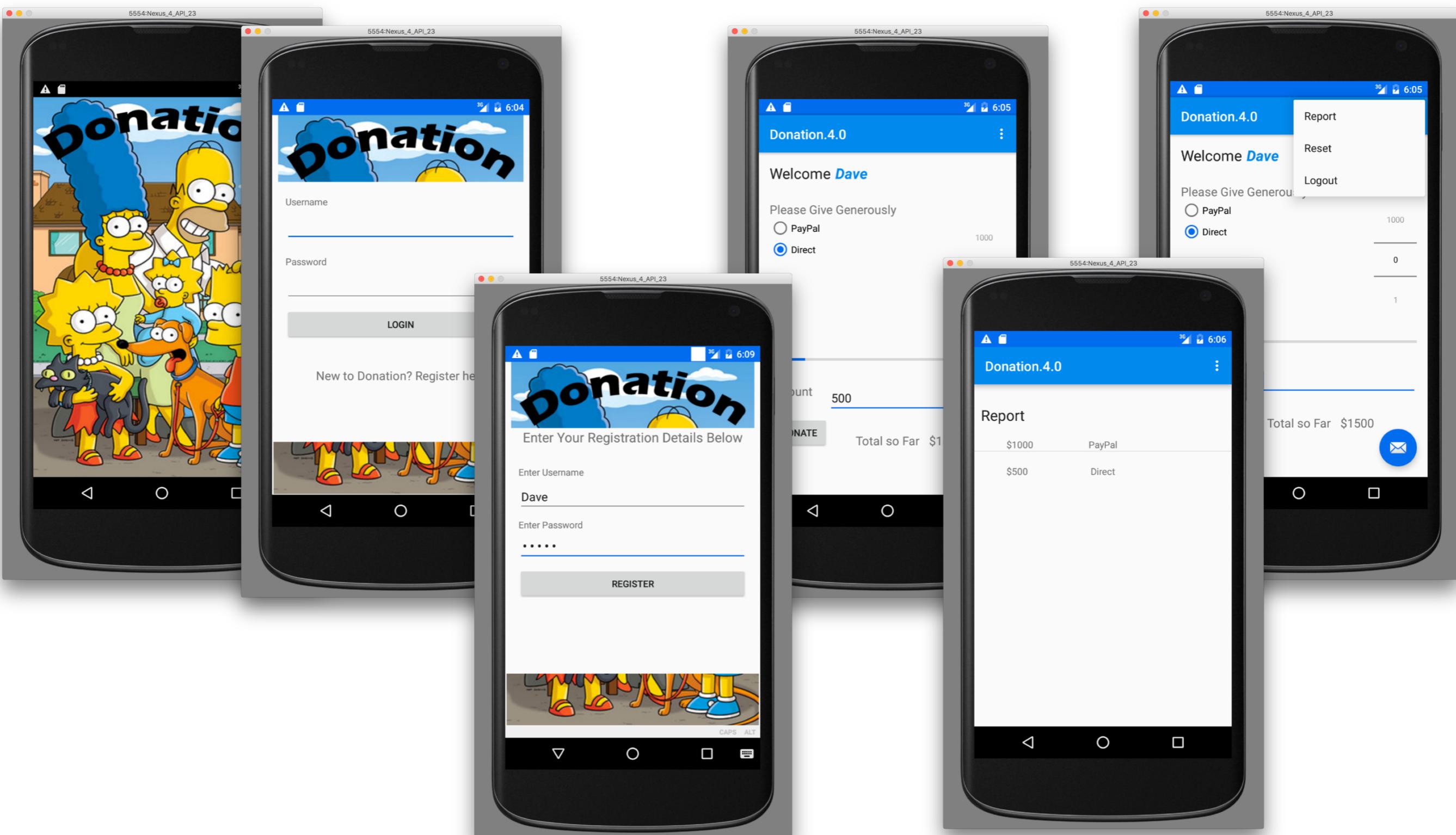
Continue working on your own app, exhibiting similar level of complexity/feature density as covered in the 2nd half of the Semester.



Sample Features (as covered in Case Study)

1. Introduce a ‘Splash’ Screen (via multithreading)
2. Enable User Signup / Registration / Login.
3. The donations are persisted (in an SQLite or Realm database), and will be reloaded when a user logs in.
4. Support viewing individual donations.
5. Allow a user to delete all donations from the database.

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	Additional Functionality as part of CRUD eg searching/filtering	Shared Preferences	Use of UI elements to complement UX	Adherence to Android Best Practices
Pass line	Use of 1 3 rd Party API	SQLite / Realm	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 / Design Doc 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 Design Document
- an APK of your project.
- full source of your project
- Youtube Video **LINK** of Main Features (10 mins MAX)

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/Youtube Video + 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?

