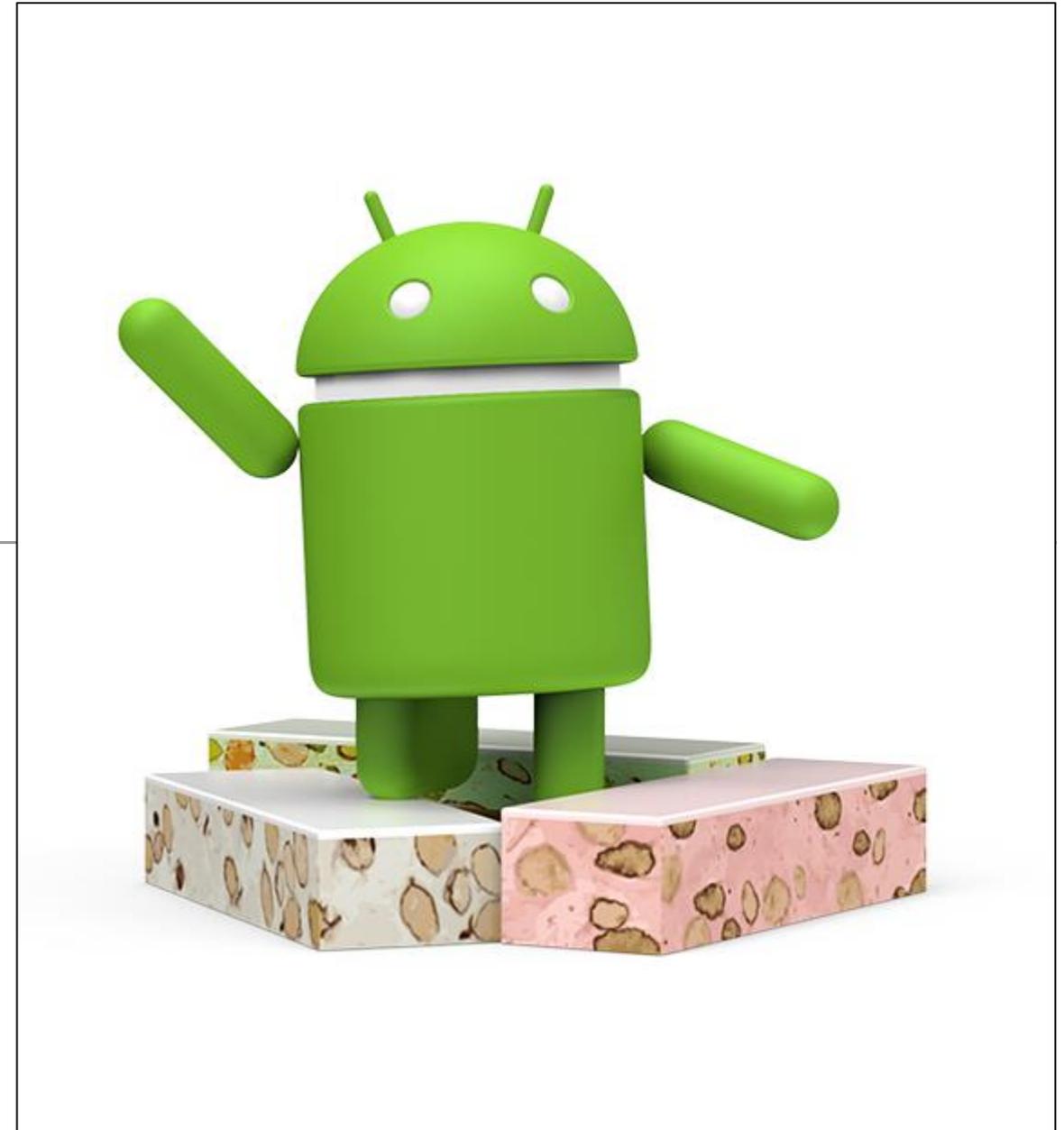


# Assignment 1

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40% of Overall Grade



Two options

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Build the MyTweet (twitter) App

or

Work on your own app, exhibiting similar level of complexity/feature density.



# Welcome Screen

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- This is the main (launch) screen.
- Single Activity
  - Welcome message
- 2 buttons
  - Sign up
  - Log in

# Sign Up

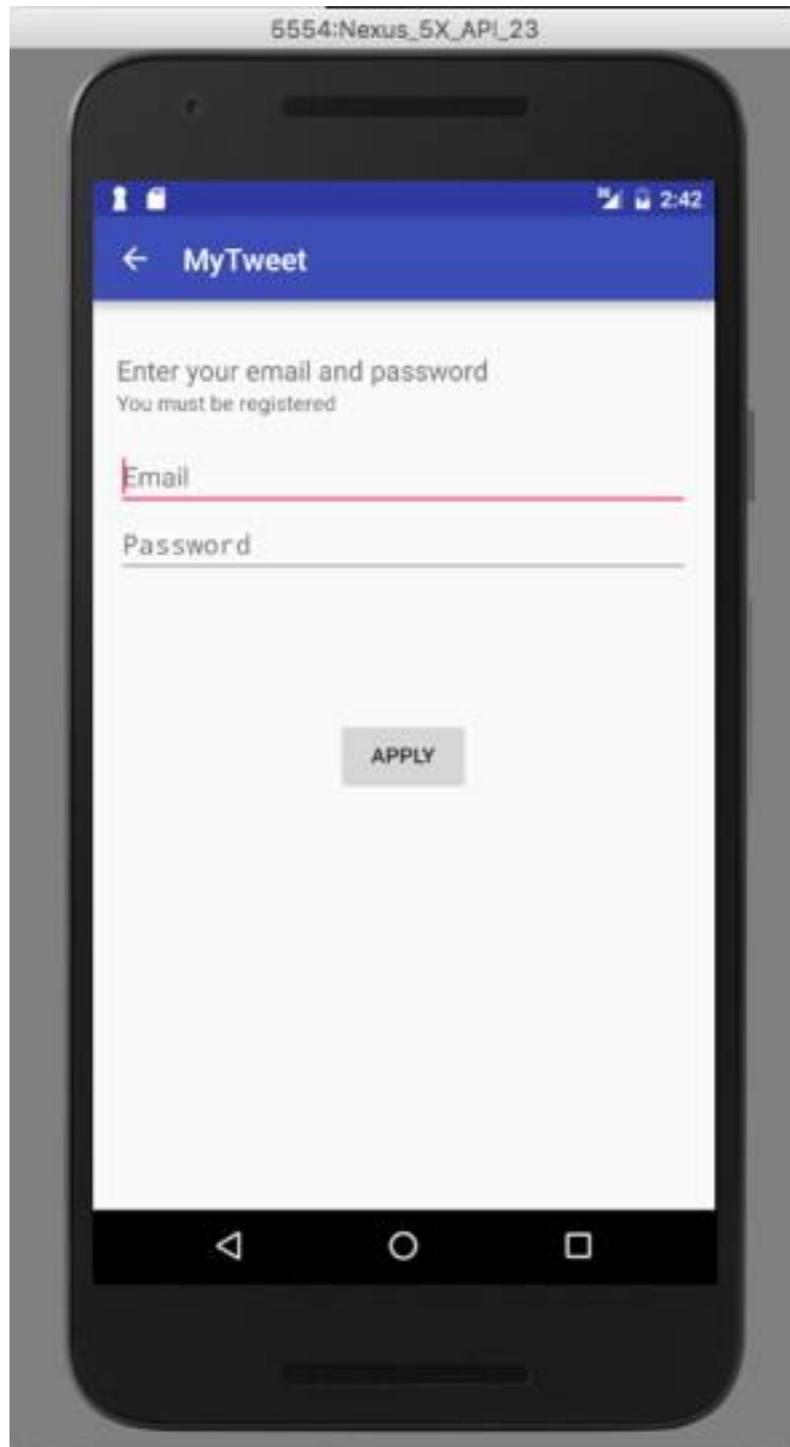
---



- Single Activity:
  - 1 button
  - 4 TextViews
    - Names
    - Email (validated)
    - Password (secret)

# Log In

---



- Single Activity:
  - 1 button
  - 2 TextViews
    - Email
    - Password

# MyTweet

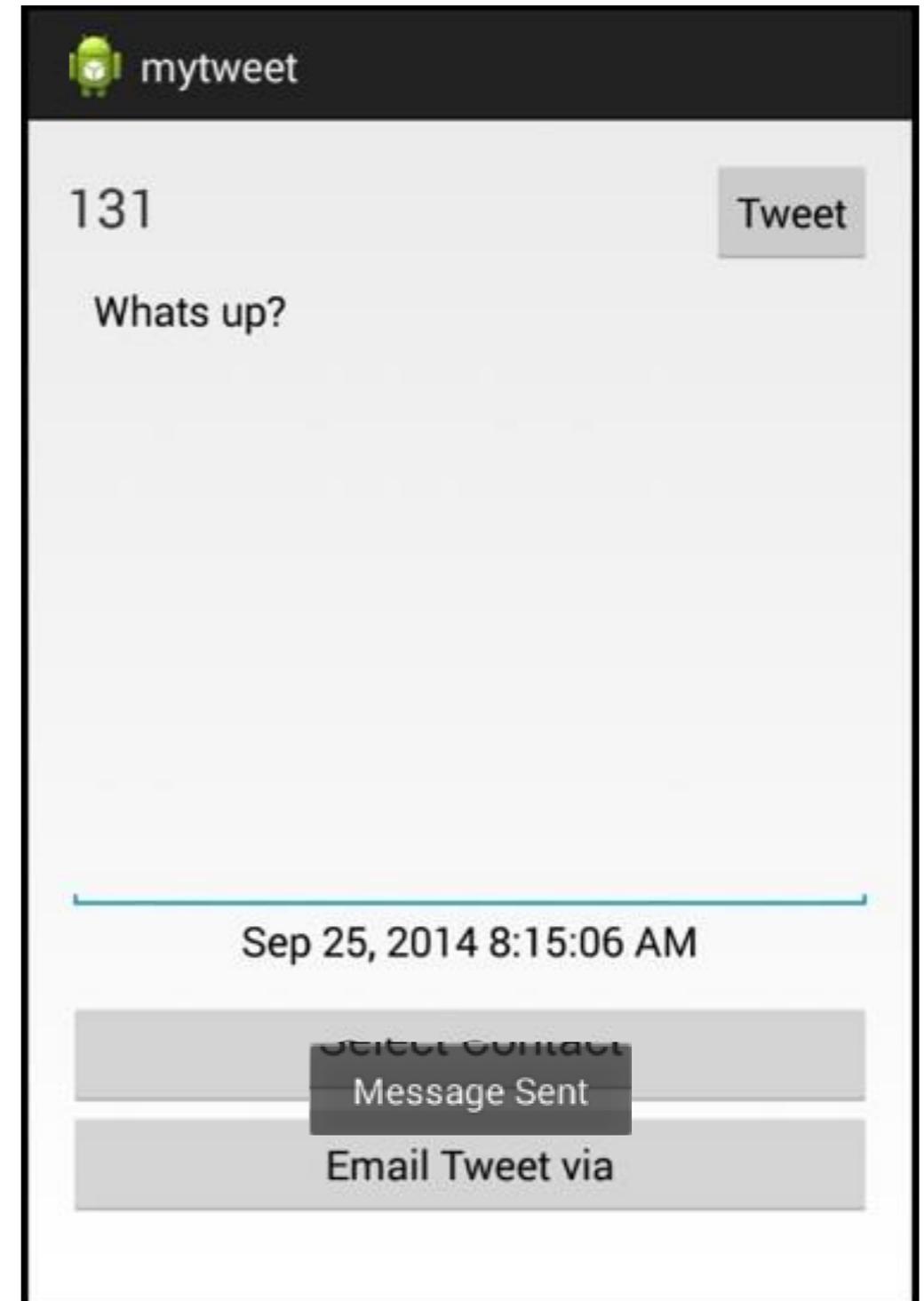
- Single Activity:
  - 3 buttons
  - 2 TextViews(“140” & Date)
  - Edit Text (with “Whats in your mind” hint)



# MyTweet

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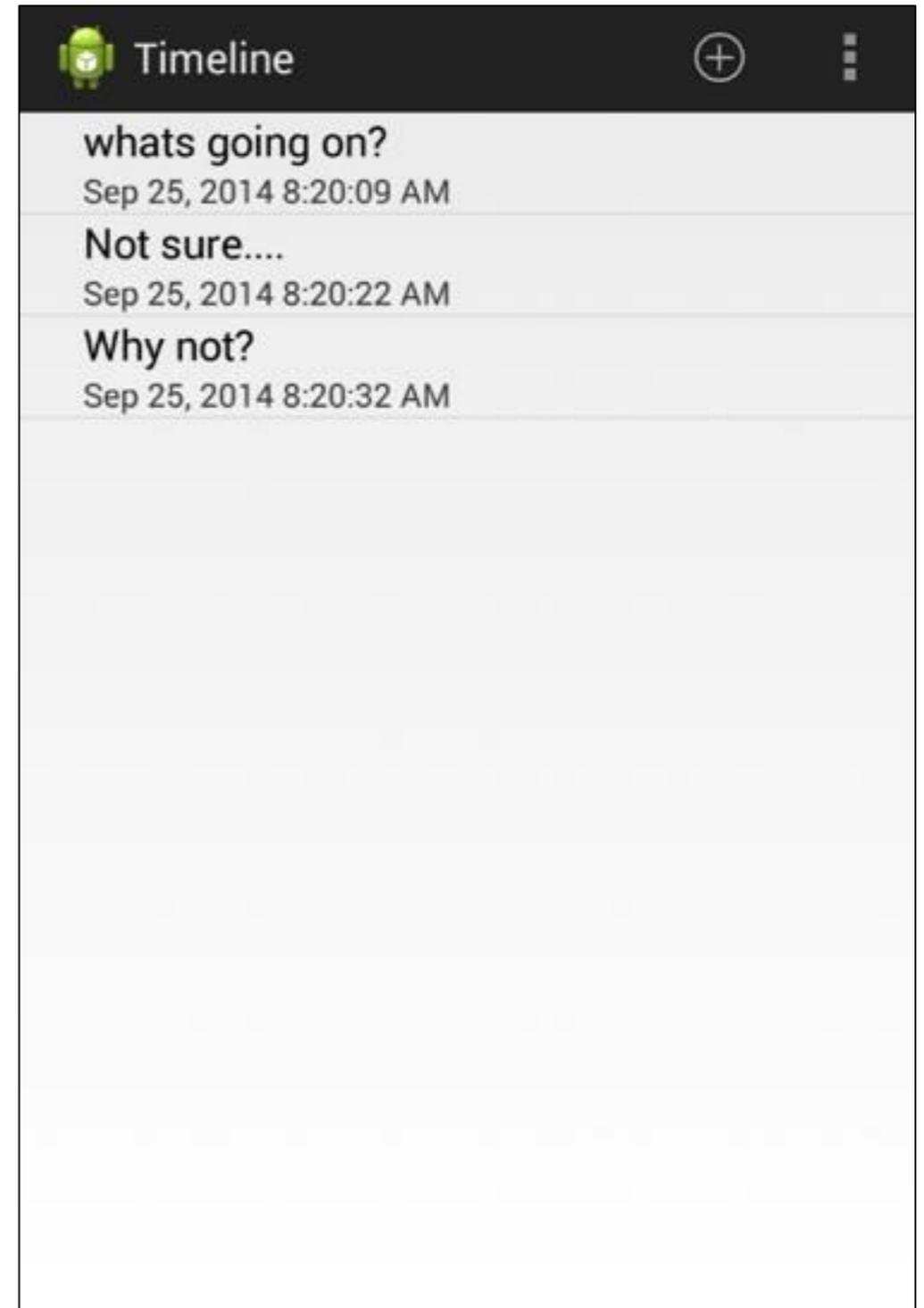
- Entering text causes Number of characters to count down.
- Pressing “Tweet” generates ‘Message Sent’ toast.
- Date is current date / time.



# Timeline - ListView

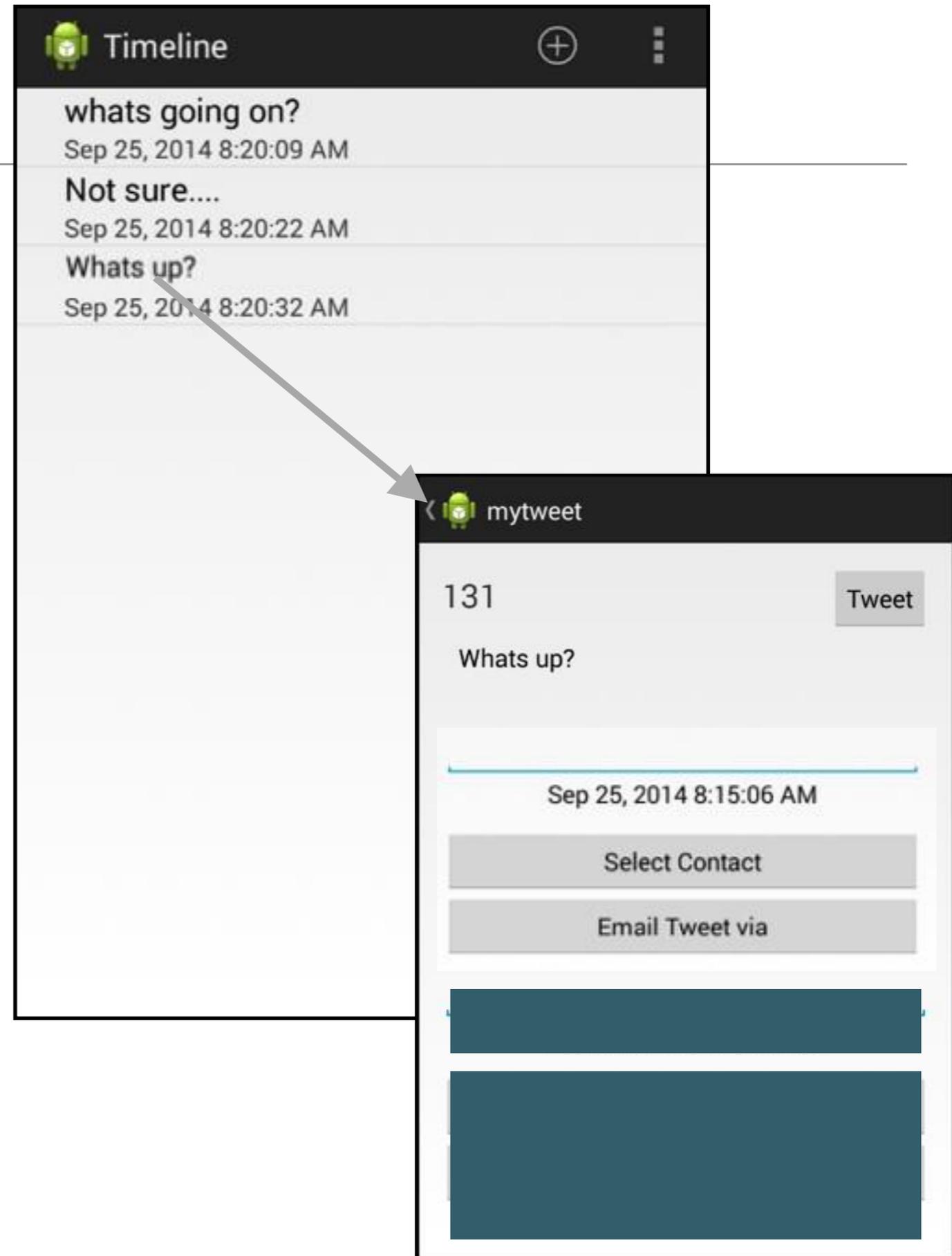
---

- Tweets appear in list in timeline.



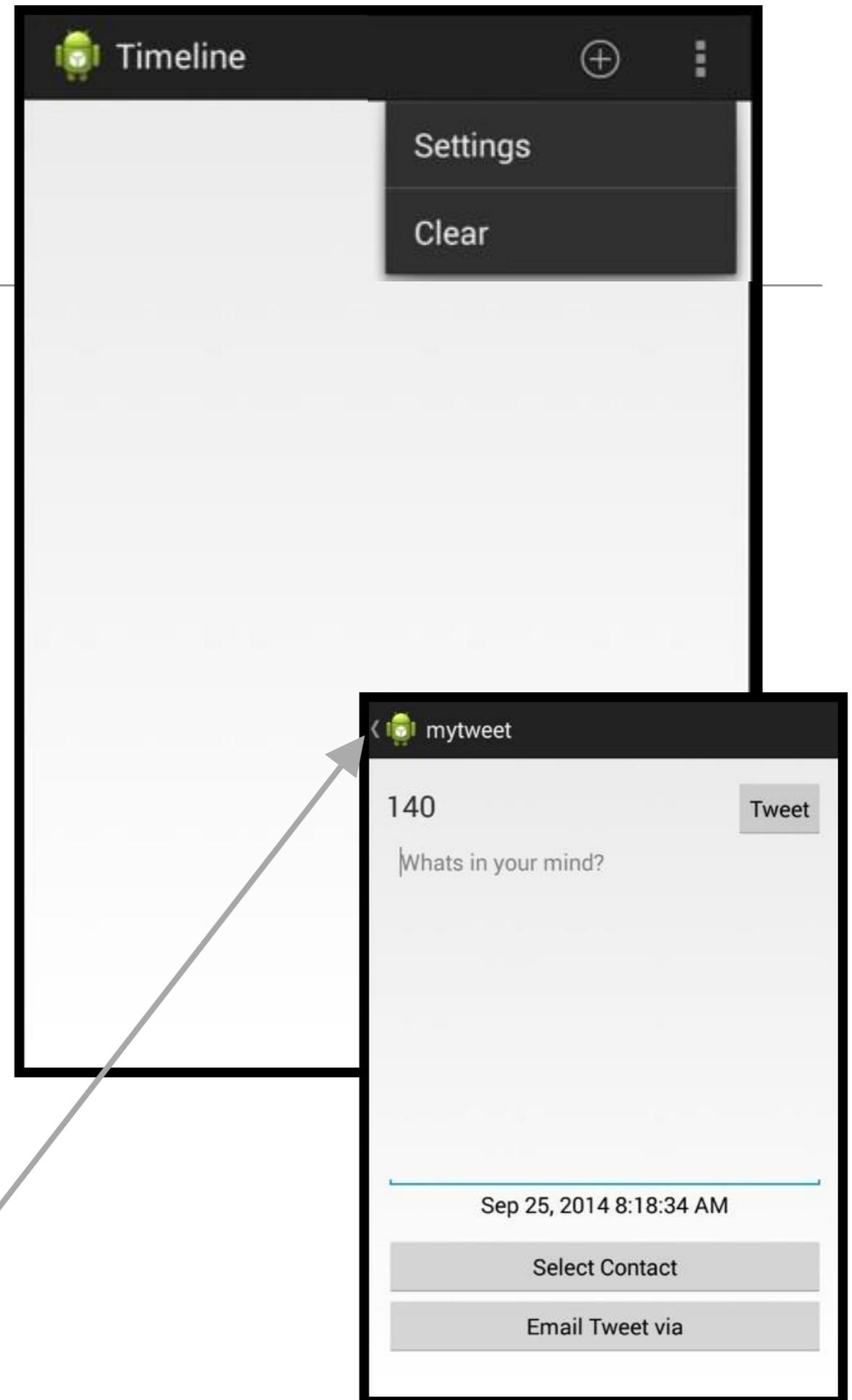
# Timeline → MyTweet

- Selecting one bring up MyTweet activity with the text of the Tweet.



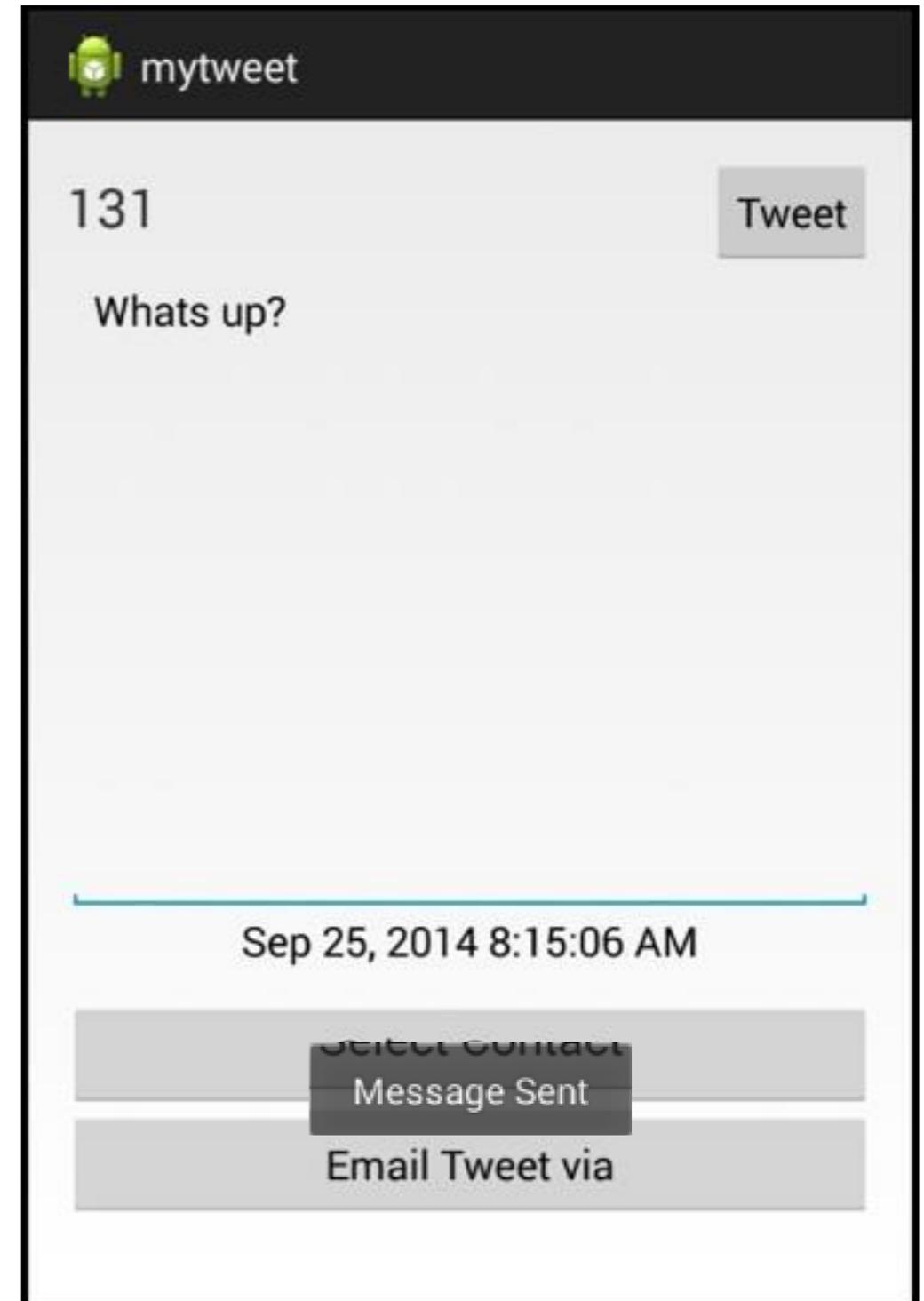
# Action Bars

- Timeline has an action bar with:
  - + Menu option launches 'MyTweet' activity.
  - Overflow option displays "Settings" and "Clear" options.
- MyTweet: navigate back from MyTweet via "back" button or action bar back option.



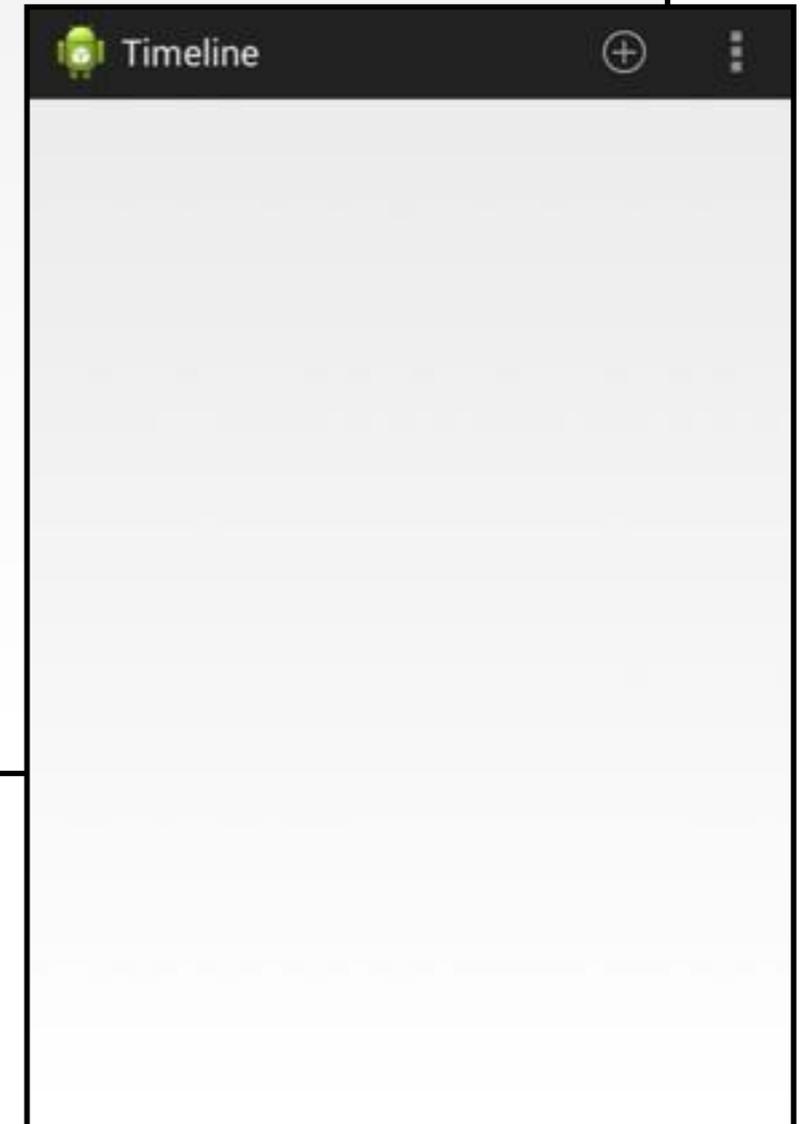
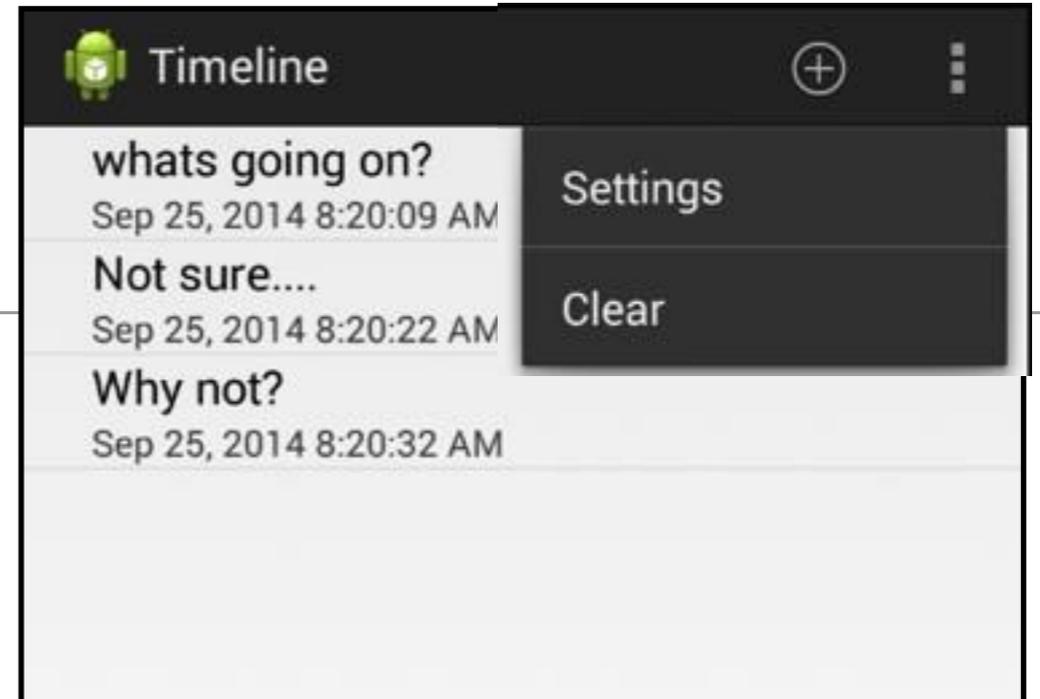
# MyTweet + Timeline (sample error handling)

- Ensure empty tweets do not appear in timeline.
  - Possible cause: If a tweet is not composed in the tweet screen but **Up** button pressed to return to timeline.
- Ensure tweet substring in timeline does not exceed single line.
- Select and press on timeline entry should open associated tweet screen with tweet content is read only.



# Timeline - Clear option

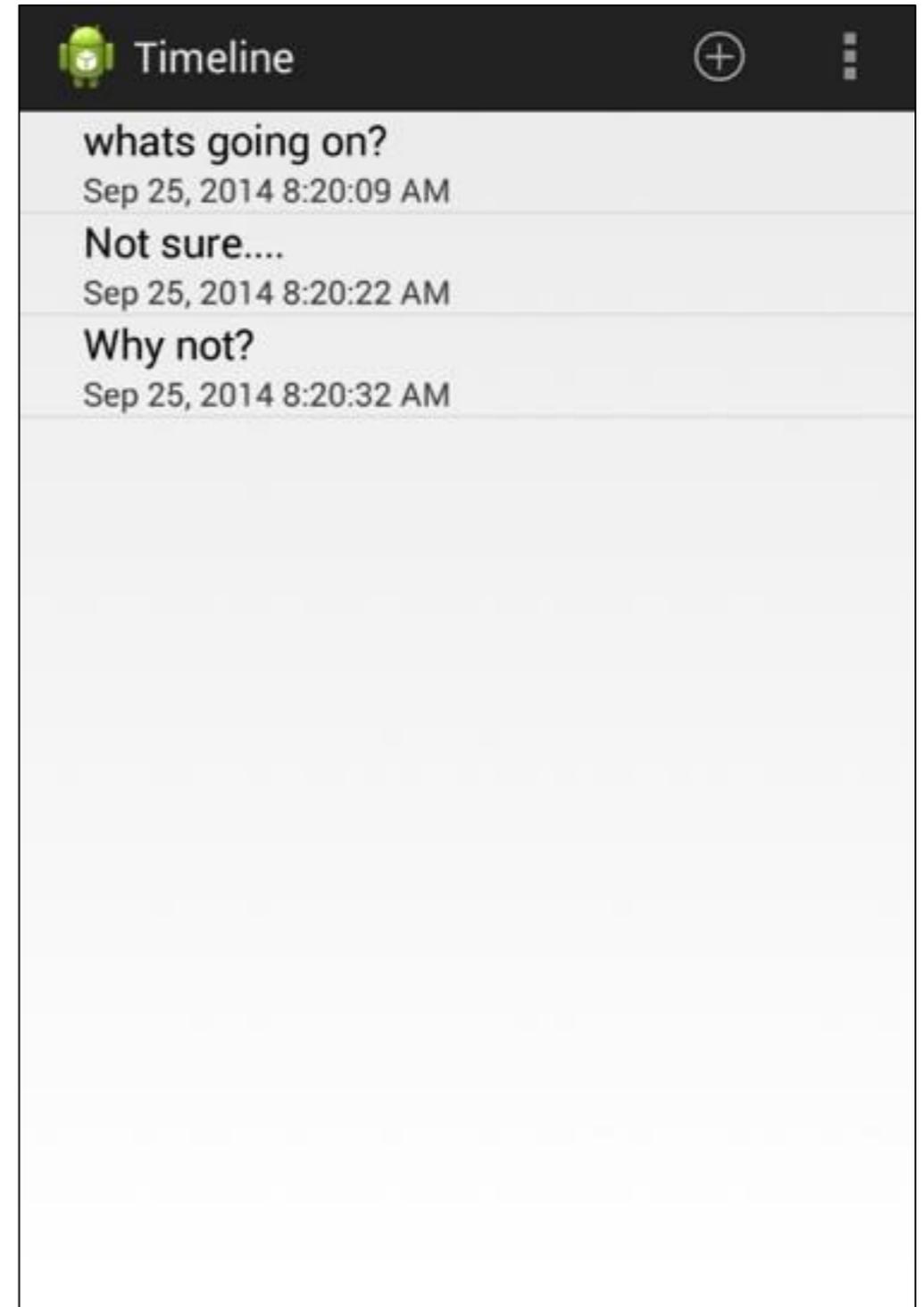
- Selecting “Clear” deletes all Tweets



# Timeline - Serialization

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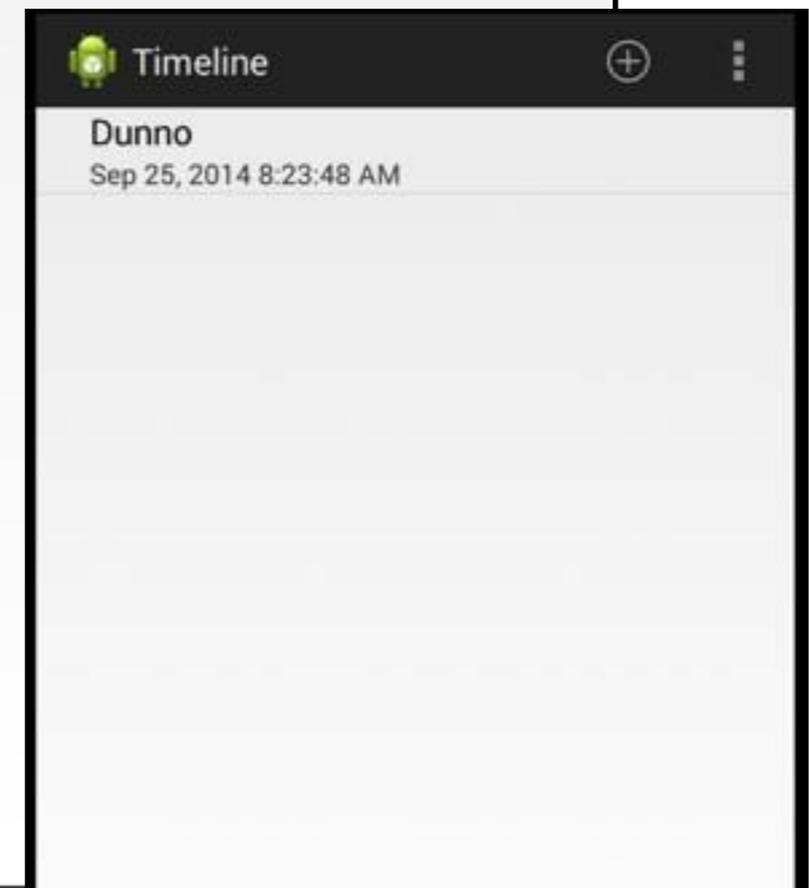
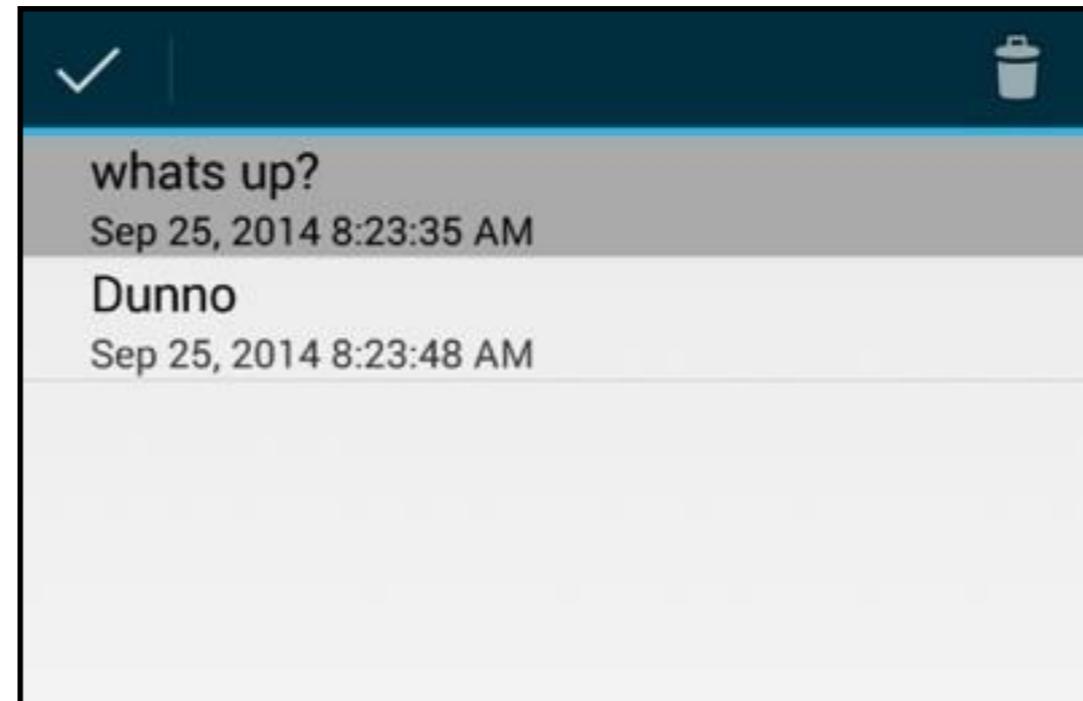
- Timeline is saved, so when app is launched, the tweets are displayed if there are any.



# Timeline – Individual Tweet Deletion

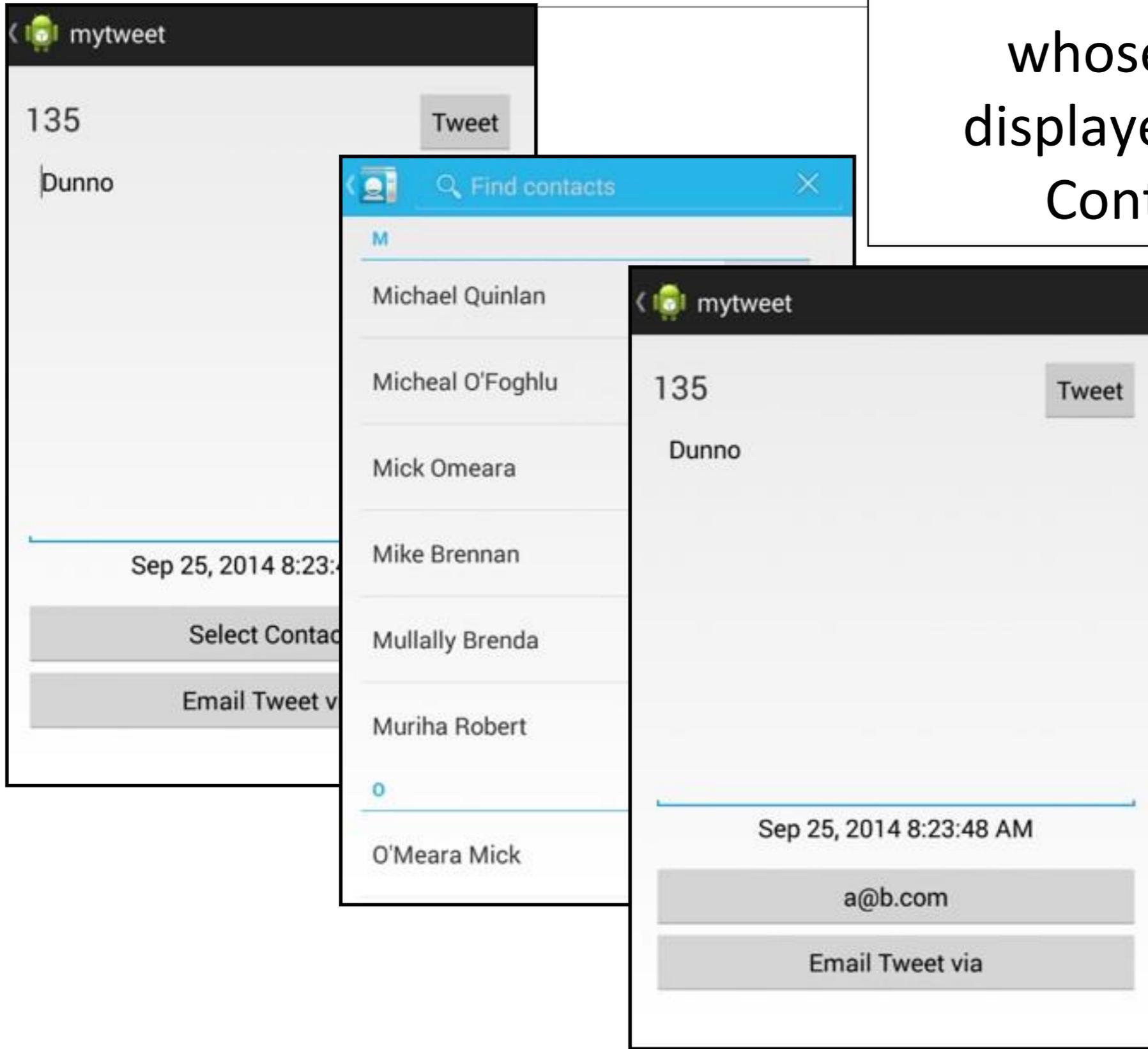
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- Long press in a tweet enables an individual tweet to be deleted.



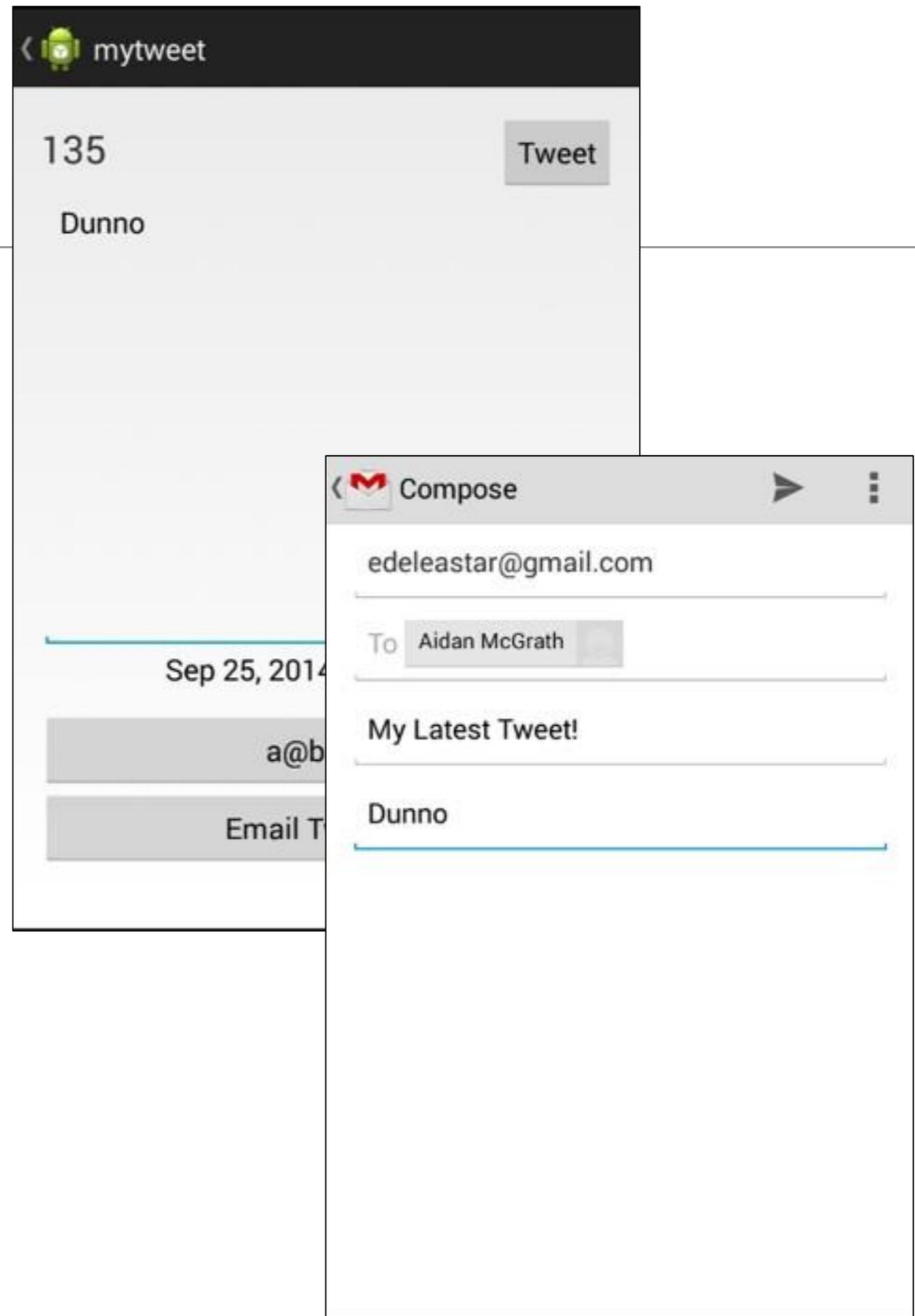
# Contact List Access

Pressing “Select Contact” allows the user to select a contact from their contact list whose email is then displayed in the “Select Contact” button.



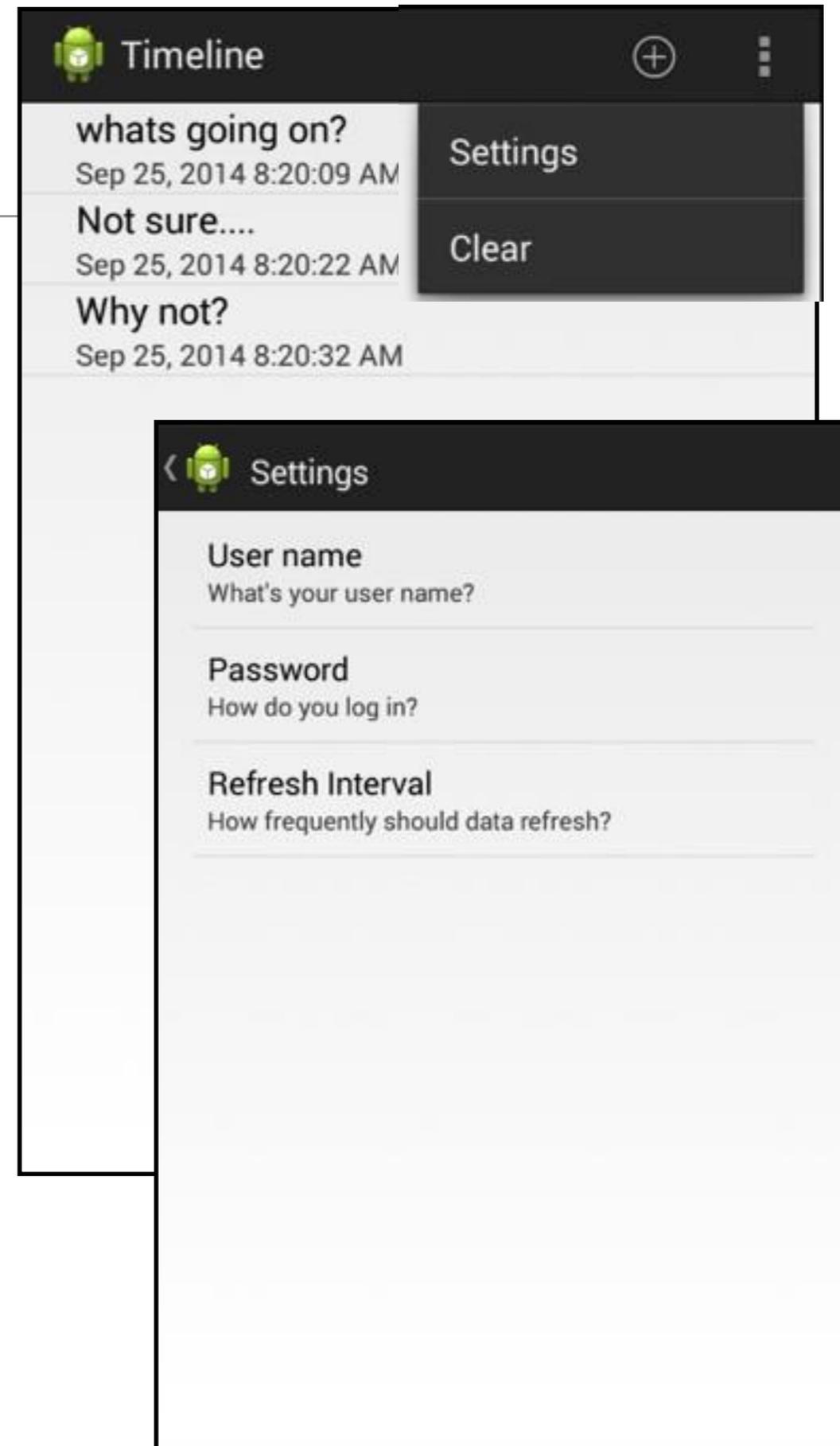
# Email Access

- Pressing “Tweet via Email” displays email application, which will contain email and tweet text.



# Settings Support

- “Settings” menu option brings up the settings screen.
- The values entered will be saved and restored when the application is relaunched.



# Material Design

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- <https://www.youtube.com/watch?v=Q8TXgCzxEnw>
- <https://design.google.com/videos/making-materialdesign/>

# Assignment Rubric for Assignment 1

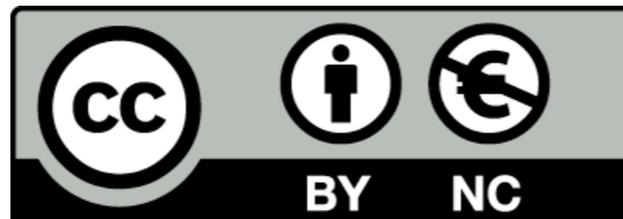
Standard	Activity & CRUD [50%]	Model & Persistence [10%]	Settings/ Permission [15%]	UX/DX [25%]
Baseline	Welcome, Signup and Login Activities	2 Models & no persistence	Permissions sought	Adherence to Android Best Practices
Good	ListView / Detail Activity (Create, Read)	3 Models & no persistence	App Settings catered for	Data validation
Very Good	ListView / Detail Activity (Update, Delete)	3 Models with persistence	Email integration	Automated Testing (models)
Excellent/ Outstanding (70%)	Additional Activities included	> 3 Models with persistence	Stock app support	Advanced navigation, etc.

Pass line

# Questions?

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