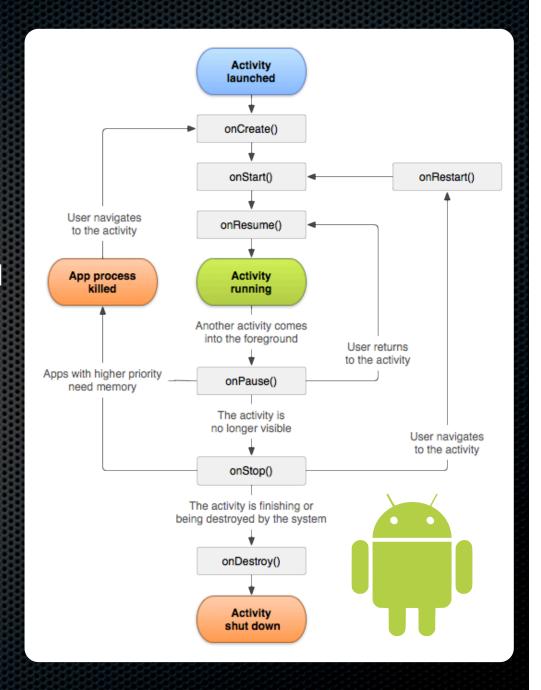
Mobile Application Programing: Android Global Application State

Activities

- Apps are composed of activities
- Activities are self-contained tasks made up of one screen-full of information
- Activities start one another and are destroyed commonly
- Apps can use activities belonging to another app



Custom Controls

- Create subclass of View class
- Override:
 - onDraw(Canvas c)
 - onMeasure(int wMeasure, int hMeasure)
- Add listener interface and listener property for the interesting events the control generates and call on... methods when events occur
- Implement view-level transient data saving









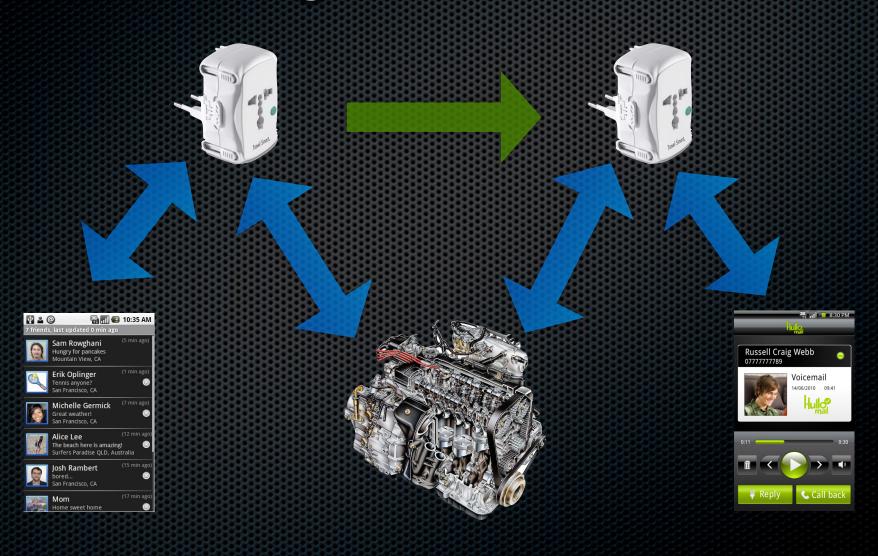
Application



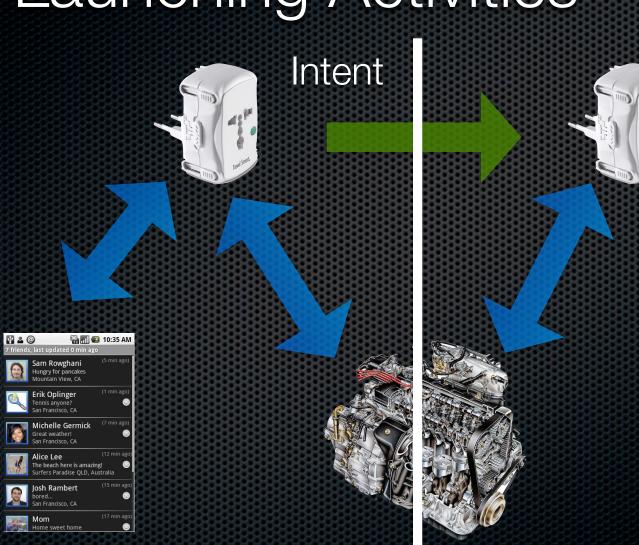
Mppliedation Controller (MVC)

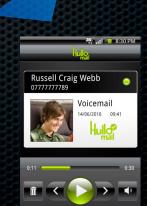


Launching Activities

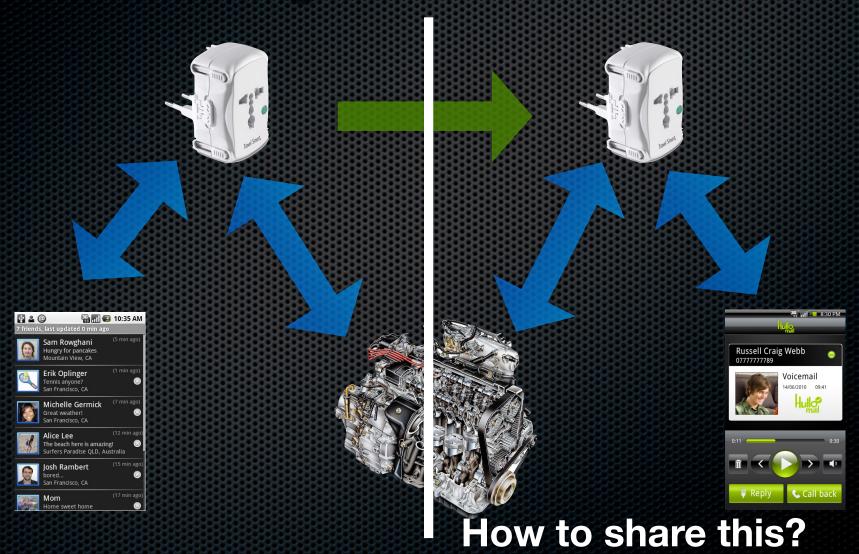


Launching Activities





Launching Activities

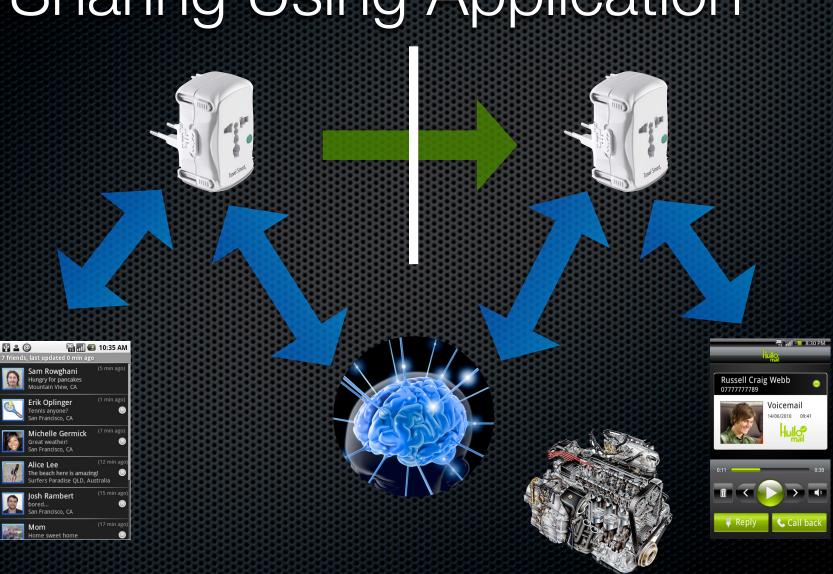


Application Class

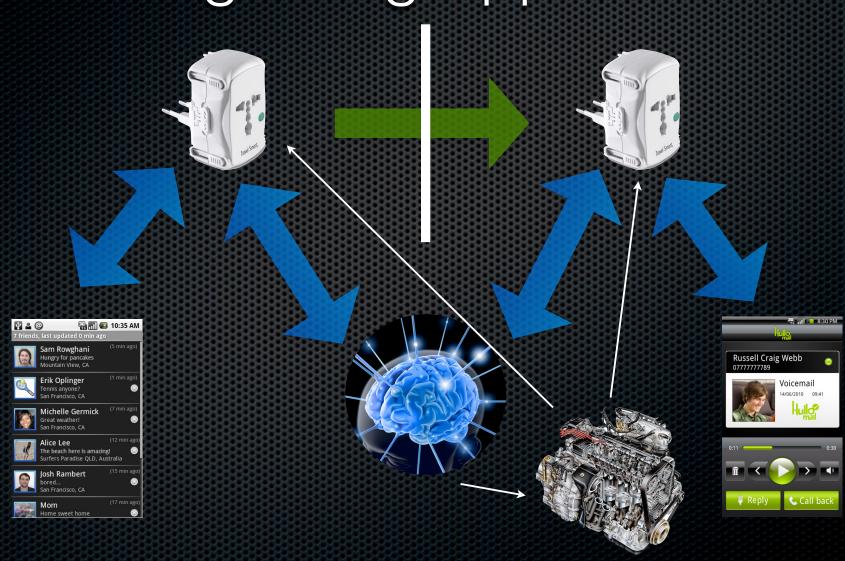


- Instantiated before any Activity
- Can be accessed using any Context object using getApplication() method
- Has an onCreate method
- Does not have an onPause
 - on Terminate also does not work as a replacement

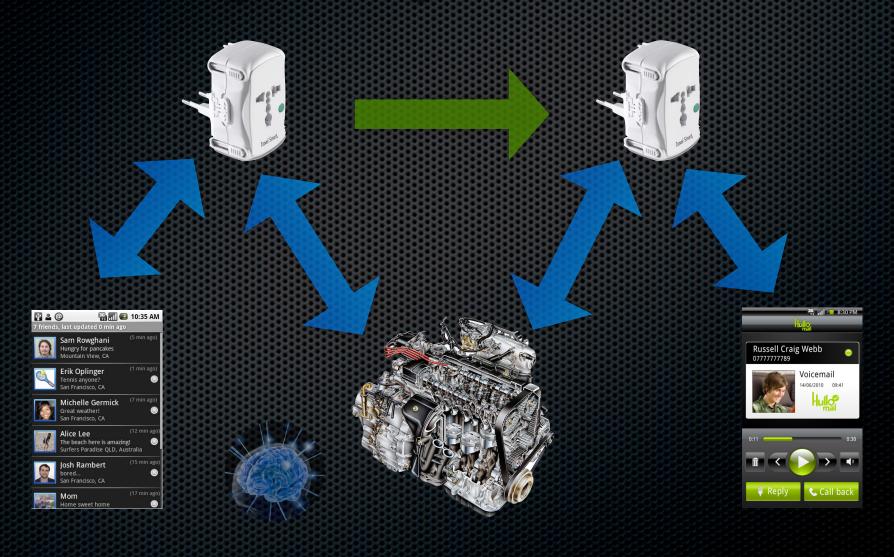
Sharing Using Application



Sharing Using Application



Sharing Using Application



Singletons



- Single-instance class with global state
- Time-tested design pattern
- Enforces instantiation controls
- Has a getInstance() method that makes singleton
- Should be thread-safe!
- Need to define a way to make persistent and call in an appropriate place in your application