Activities and MVC

Model

- Application data and logic
- Unaware of User Interface
- Typically inherit directly from java.lang.Object or from another custom object

View

— Know how to draw themselves on the screen

— Are often provided by Android, but can be custom

— Pretty much anything you can see on the screen

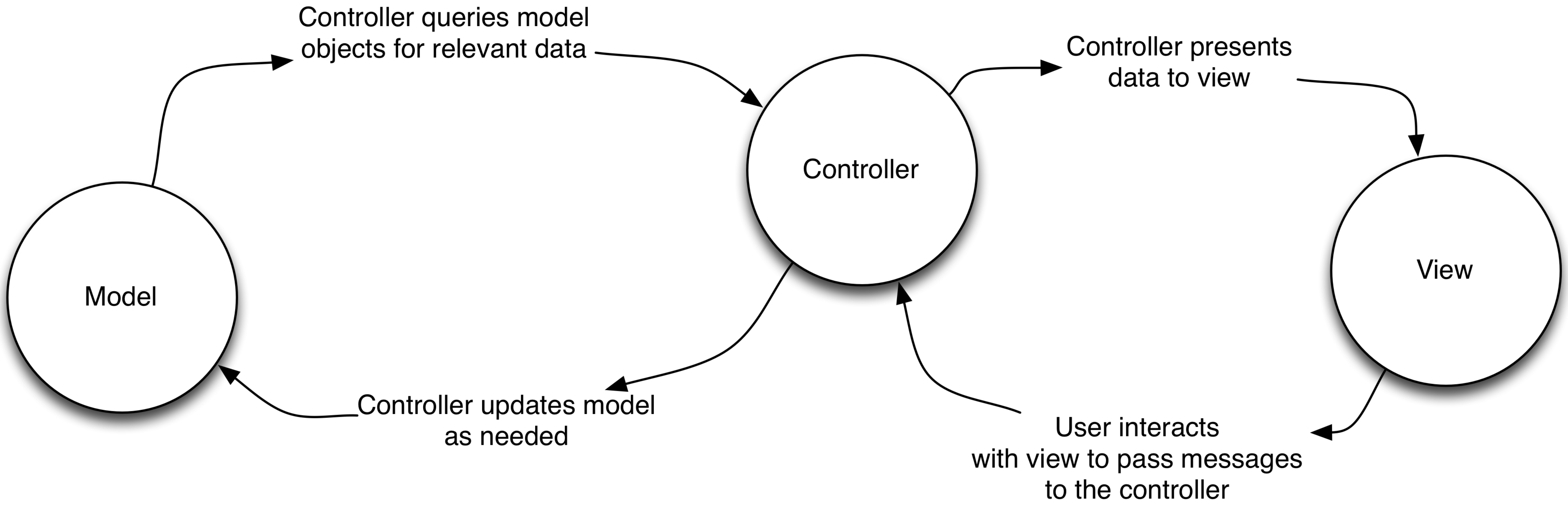
— Often referred to as "widgets"

Controller

- Connect model objects with view objects
- Activities, Fragments, and Services
- Ensures that models and views are decoupled and reusable

Interfaces

Interfaces are used in Android to define contracts; stating how different components interact with eachother



Model

Controller queries model objects for relevant data

Controller

Controller presents data to view

View

User interacts with view to pass messages to the controller

Controller updates model as needed

Activity

- Subclass Activity to encapsulate controller logic
- Applications can have many activities
- Activities interact with or inflate layouts

Context

- Activities are subclasses of Context
- Provide global application environment info
- Will often get passed between Activities and related classes such as adapters and asyncTasks (as 'this')