

MVI Architecture with jetpack compose for android 2023 – udemy course

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Why MVI

- An adaptation of MVVM architecture
- Rely on Intent and State for communication
- Not specific to Android
- High level overview
- Model is formalized as State
- Single source of truth - ViewModel
- Reactive programming - no callbacks
- Independent components
- State persistence

MVI Advantages

- State is maintained by default
- Reproducibility
- Easy to debug
- More decoupling - separation of concerns
- Testability

MVI Disadvantages

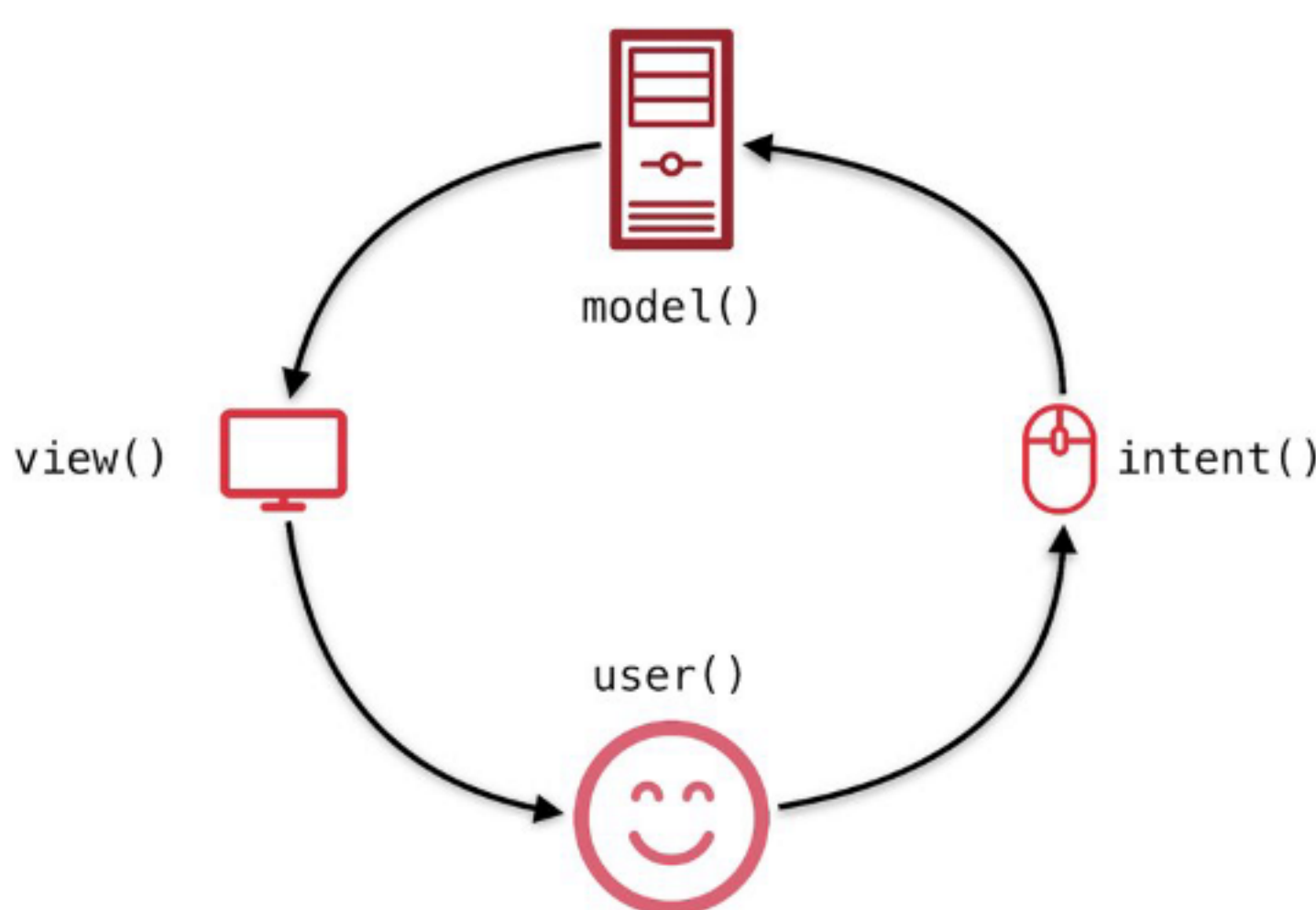
- Boilerplate code
- Lots of objects stored in memory

MVI Architecture

- Two new concepts:
 - Intent - user interaction
 - State - internal to model
- User produces intents
- Model updates state
- View reflects state back to user

Architecture Diagram

MVI



- MVVM architecture
- ViewModel exposes state to the view
- View updates based on the ViewModel state