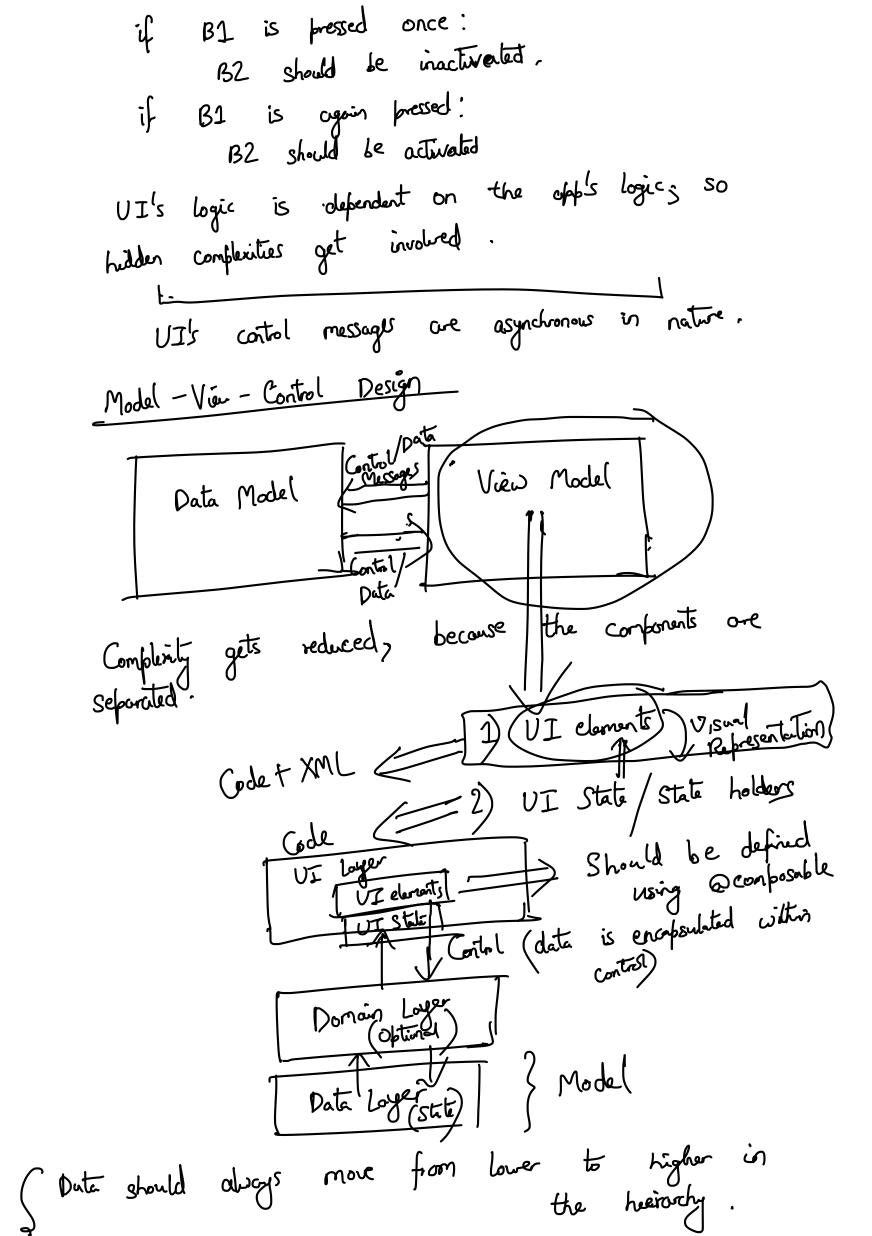
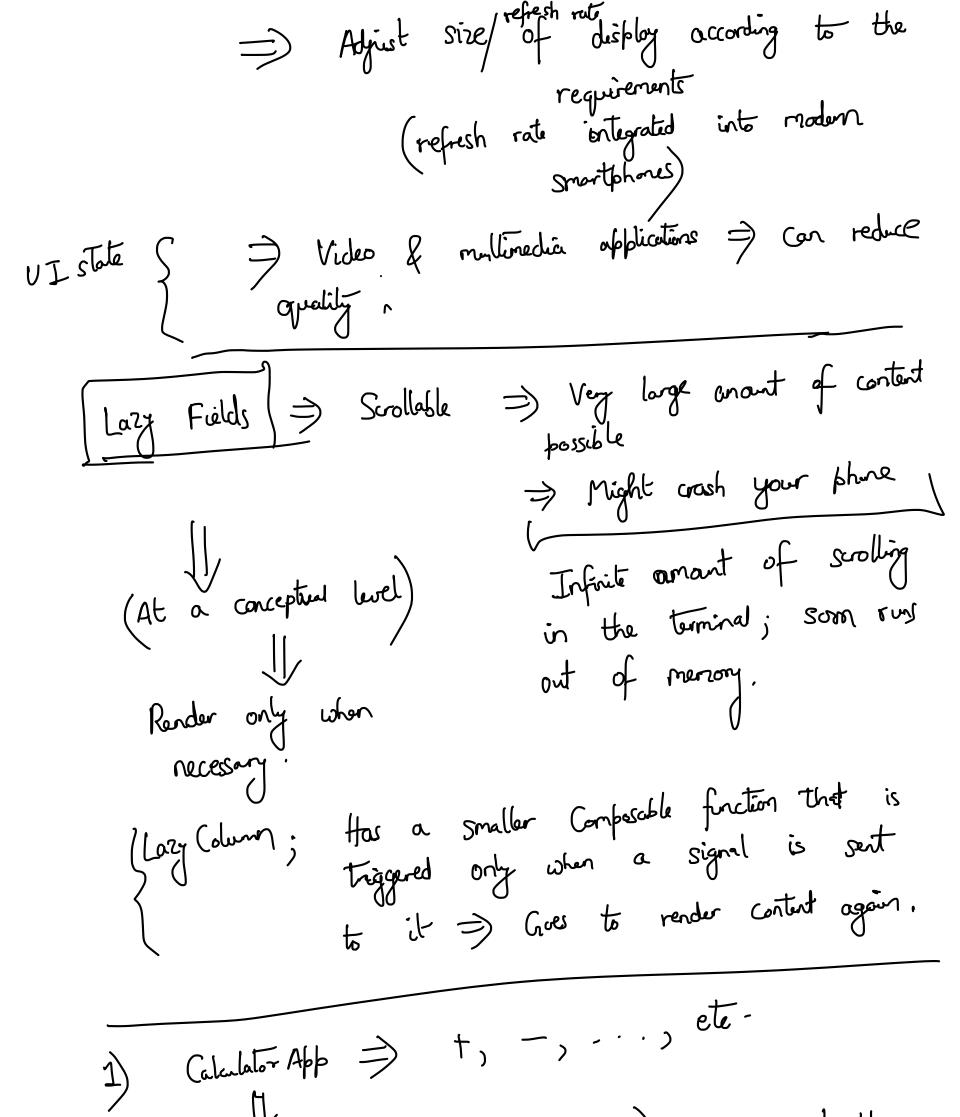
| and the last |
|---|
| Till last class Andried |
| a) Mahile Ha) and the saftware stack |
| 2) Apples one mode; Android Stadio (FDE) Android Software Development Kit (SDK) Combiler + Emulator |
| Compt 1 River. |
| 3) How to create and handle user interfacer Solumn, Add images; Bittons; Radio Buttons, Text, |
| Schurn, Add mage; Bullows; Solve Hors Text |
| Radio Buttons, Text, Scrollable TextField; Concept of Composition of Recomposition Lazy fields, etc. |
| Lary filds, et |
| Concept of Composition of Recomposition |
| anot challenging ? |
| Why is UI weation of monages. |
| 1) Users have different expectations depending |
| and the Wile of 10071 |
| on I was blune => triplet rug |
| Sollable let = 100 sol |
| needed if the content is |
| already VISIBLE. |
| all a soil can get mired up |
| with the 0 = 0 |
| brogram logic complex. |
| B1 B2 UI-State, not the inderlying data loyer. |



Control should flow from upwards to downwards in the Unidirectional Data Flow Model A lot of logic is connected not to the underlying data, but only to the UI. Cache of a yeb browser -> Date Layer. Some web pages one bookmarked => Remove a bookmark => { UI State (not part of the data layer) How does Compose help in implementing the above? Domain Layer >> Adapt the data shown to the device that is being shown => Browsers (mobile & destrop version) show less data on webfages (adaptation performed by the donoin Whats App (Desktop/Mobile version) => The data sent changes depending on the device.

@ Conposable) => Used for describing the UI Within the same file, create a class so with data variables that can be modified by the listeners. To respond to the control messages, utilize Mutable State. Performance of Andrid Systems 1) Android's layers should have significant performance disadvantages. D () 1) Building Time 2) Ruring Time Composible, Layers, etc. (3) Power/Energy Consumption where do they eventually translate to ?? => Byte code > Veg optimized code; but for the VM that Andried is compatible with (Dalvik VM) -> Performance becomes better with more iterations Android have this disadvantage?

| > Till Andrid VA |
|--|
| (Test in - time combilation) |
| Translate the bytecode into machine code as requests to execute instructions come in |
| machine code as requests to execute |
| instrations come in), |
| · · · · · · · · · · · · · · · · · · · |
| Building Ahead- of- line Computation Gret the app ready for each individual HW even before it is downloaded |
| individual HW even before it is |
| danbaded |
| => Etamire cachina is involved. |
| All apps are statically built. |
| () All the dependencies are part of the |
| All apps are statically butt. All the dependencies are part of the opportunity butt. |
| S How does the UI layer adapt to such performance constraints? Ourle There and Light There |
| S How does the . U. The constraints? |
| Phone's Theme => Dark There and Light There |
| UI State Phone's Theme Dark There and Light There The UI layer can access the Adapt the there used on the smortphone, and accordingly colors adapt its display. |
| Adapt the (there used on the smortphone, and accordingly |
| colors adapt its display. |
| |



Vehicle's velocity; acceleration; and convert-them calculator (Distance; velocity; into different units.

Both emilator and (actual device)

[Text, where you to explain know it follows MVC or UDF]

[Reader) need to explain know it follows