

Learning Report – SDLC and Testing

A Report By-

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Table Of Content

Activity 1.....	3
Product Selected - Try On Augmented Reality Watch.....	3
Ageing -.....	3
Requirements -.....	3
High Level Requirements -.....	3
Low Level Requirements -.....	3
DESIGN.....	4
High Level Design -.....	4
Structural Diagram -.....	4
Behavioral Diagram -.....	5
Low Level Design-.....	6
Structural Diagram -.....	6
Behavioral Diagram -.....	7
Testing -.....	8

ACTIVITY -1

Product Selected - Try On Augmented Reality Watch

Ageing -

- Augmented reality technology was invented in 1968, with Ivan Sutherland's development of the first head-mounted display system. However, the term 'augmented reality' wasn't coined until 1990 by Boeing researcher Tim Caudell.
- A view of the physical real-world environment with superimposed computer-generated images, thus changing the perception of reality, is the AR.
- According to Apple CEO Tim Cooke, Augmented Reality is the core technology and will be big technological step forward, which is similar to the release of smartphones.

Requirements -

High Level Requirements -

- Android Smartphone
- Minimum Android Version- 8.0
- Minimum Storage Space of 45 MB
- In build Camera
- Image Target
- Virtual Object Formation

Low Level Requirements -

- Creating Core Functionality -
 - Create 3 different Watch Models
 - Occlusion Of hand
- Creating User Interface -
 - Create UI slide in Frame
 - Create Color switch buttons for watches
 - Create a Exit Button

DESIGN

High Level Design -

Structural Diagram -

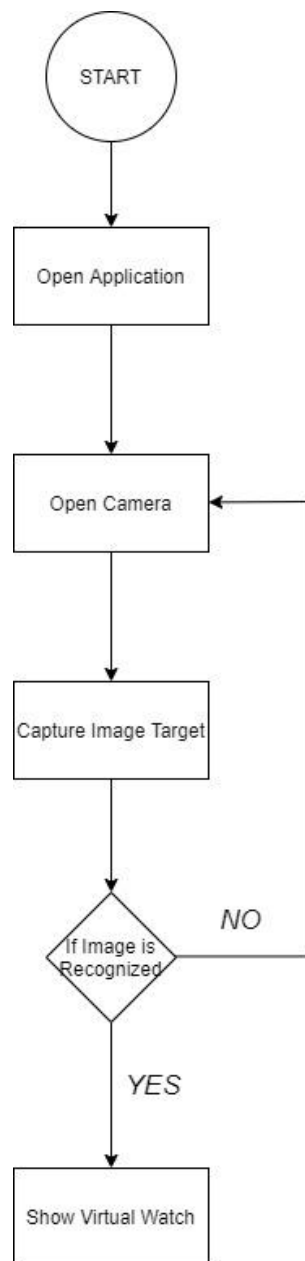
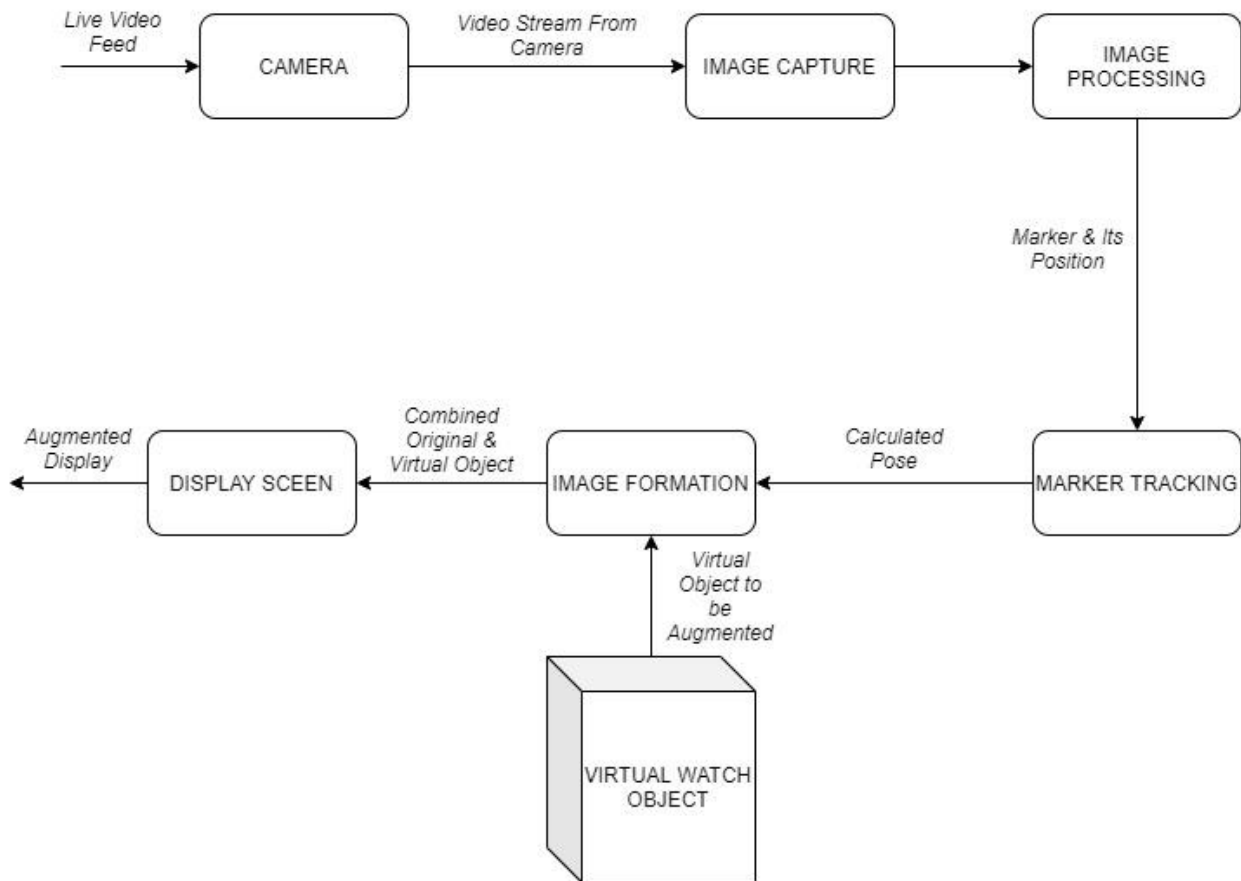


Fig-1 Flow Chart Diagram

Behavioral Diagram -

State Chart Diagram



State Chart Diagram

Low Level Design-

Structural Diagram -

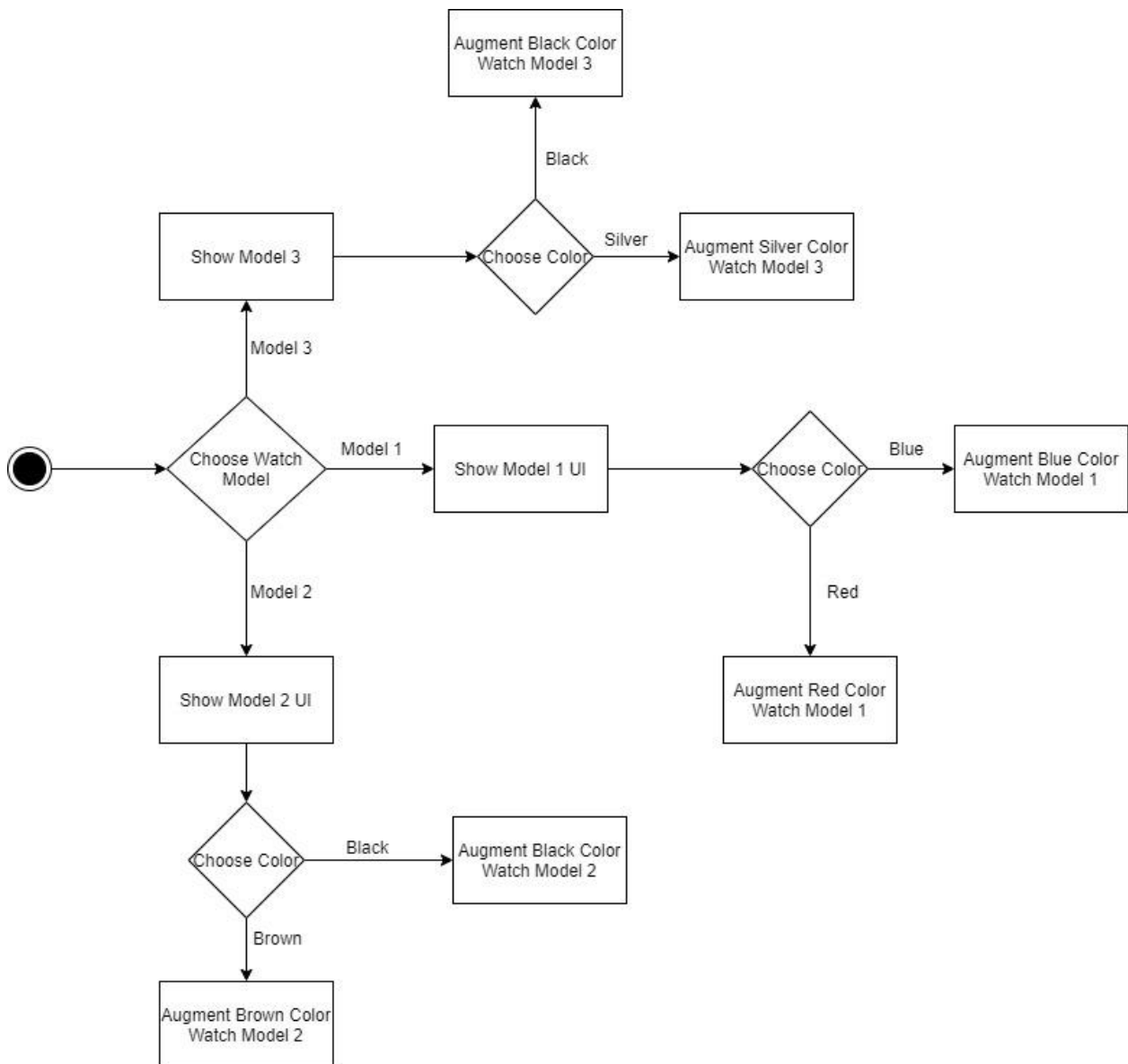


Fig 3: Flow Chart Diagram

Behavioral Diagram -

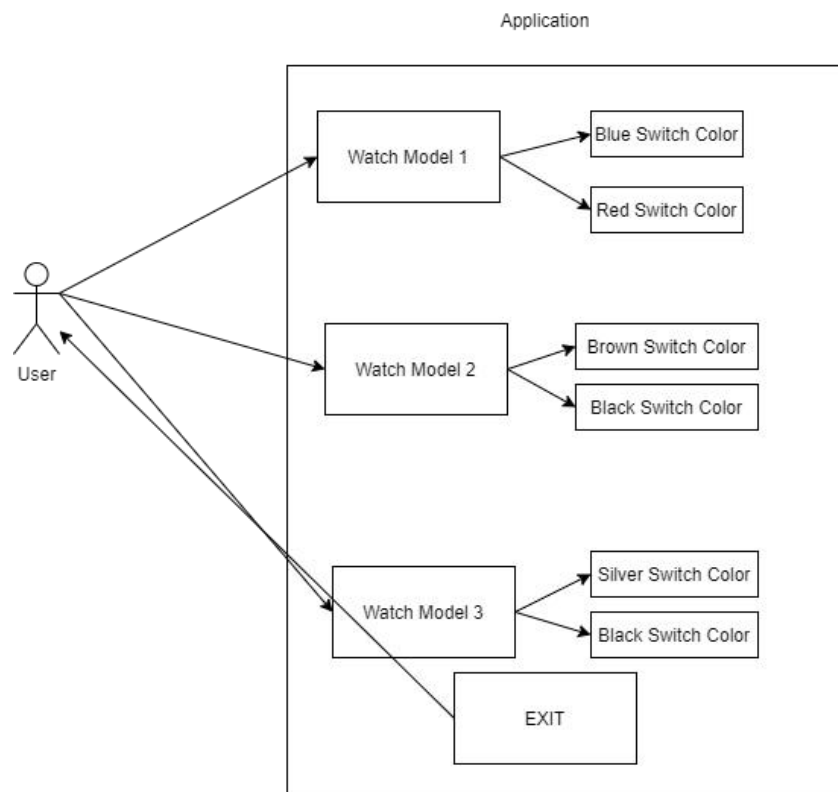


Fig 4: Use Case Diagram

Testing -

TEST ID	DESCRIPTION	EXPECTED INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT
T001	Animation of Watch window 1	Tap on Window 1 UI	Watch window 1 slides into the frame	Watch window 1 slides into the frame
T002	Animation of Watch window 2	Tap on Window 2 UI	Watch window 2 slides into the frame	Watch window 2 slides into the frame
T003	Animation of Watch window 2	Tap on Window 3 UI	Watch window 3 slides into the frame	Watch window 3 slides into the frame
T004	Exit Button of Watch window 1	Tap on Exit Button of Watch window 1	Watch window 1 slides back from the frame	Watch window 1 slides back from the frame
T005	Exit Button of Watch window 2	Tap on Exit Button of Watch window 2	Watch window 2 slides back from the frame	Watch window 2 slides back from the frame
T006	Exit Button of Watch window 3	Tap on Exit Button of Watch window 3	Watch window 3 slides back from the frame	Watch window 3 slides back from the frame
T007	Color Switch Buttons of Watch window 1	Tap on the Red color switch buttons	Color of Watch Changes to Red	Color of the Watch Changes to Red
T008	Color Switch Buttons of Watch window 1	Tap on the Blue color switch buttons	Color of Watch Changes to Blue	Color of Watch Changes to Blue
T009	Color Switch Buttons of Watch window 2	Tap on the Black color switch buttons	Color of Watch Changes to Black	Color of Watch Changes to Black
T010	Color Switch Buttons of Watch window 2	Tap on the Brown color switch buttons	Color of Watch Changes to Brown	Color of Watch Changes to Brown
T011	Color Switch Buttons of Watch window 3	Tap on the Black color switch buttons	Color of Watch Changes to Black	Color of Watch Changes to Black
T012	Color Switch Buttons of Watch window 3	Tap on the Silver color switch buttons	Color of Watch Changes to Silver	Color of Watch Changes to Silver