DTV Advanced Exam

Exam archive structure

Image 1. DtvAdvancedExam.tar.bz2 archive structure

1. ***DtvCourseTvInput_Solution.tar.bz2*** *- TIF exercise solution*

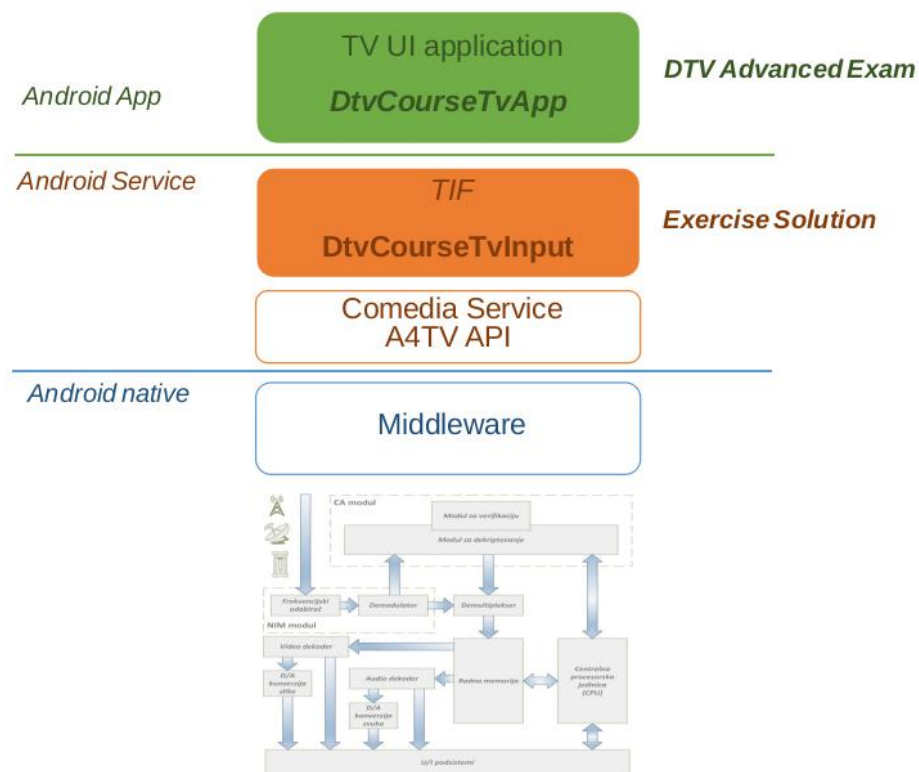2. ***DtvCourseTvApp_Exam.tar.bz2*** *- DTV exam project*

Image 2. Architectural structure

DTV Advanced Exam

Assignment. 1

1. Implement selection of TV Input

2. Implement reading channel list from Tv Provider

3. Implement play channel functionality

4. Implement change channel with selecting channel in channel list

5. Implement change channel functionality on "CH+" and "CH-"

6. Implement color change for currently played channel (e.g. set color in channel list for played channel)

7. Implement saving selected Tv Input and last watched channel in Share Preferences

8. Implement select audio/video track (note: not possible to test)

Test case. 1

1. Enter in DTV Course Tv application

2. Select DTV Course Tv Input

3. Run scan channels

4. Open channel list

5. Select channel in channel list and change channel with "OK" button press

6. Change channels with "CH+" and "CH-" buttons

7. Open channel list

8. Exit from application with "Back" button

9. Re-enter in DTV Course Tv application and verify that last channel is playing (verify that data is saved in Shared Preferences)

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1. Enter in DTV Course Tv application

2. Verify that last played channel is playing

3. Exit from application with "MENU->EXIT"

4. Re-enter in DTV Course Tv application and verify that last played channel is playing

Exam output

1. Archive with changed files as on exercises (send 30 min after ending course)

2. Video with source code explanation

3. Video with navigation thorough application listed in test case 1. and test case 2.

4. Video files should be uploaded to gdrive (or other file cloud storage server) and send link in email (send till noon next day)

   NOTE: DO NOT ATTACH VIDEO IN EMAIL

Note: For recording source code explanation video can be used Kazam

```
sudo apt-add-repository ppa:sylvain-pineau/kazam

sudo apt-get update

sudo apt-get install kazam
```