


[소프트웨어공학]

# 설계사양서

팀명 : 박리자드 

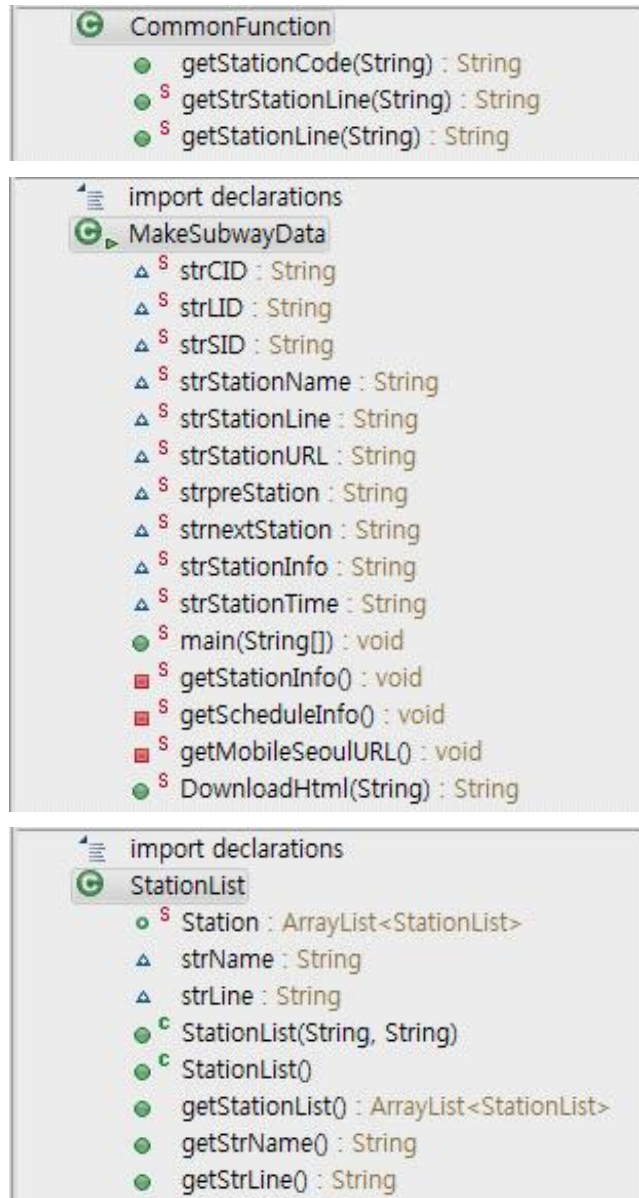
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1091059 박소영

## 1. 프로젝트 구조

- LocalSubwayInfo
  - src
    - (default package)
      - CommonFunction.java
      - MakeSubwayData.java
      - StationList.java
    - newfile.erd
  - JRE System Library [Jre6]
  - UML
    - subway.db
- SubwayInfo
  - Android 2.3.3
  - Android Dependencies
  - src
    - com.android.subway
      - IConstant.java
      - Start\_Activity.java
      - SubwayInfo.java
    - com.android.subway.common
      - CommonFunction.java
      - DBAdapter.java
      - LocalDBAdapter.java
      - StationAdapter.java
      - StationInfo.java
    - com.android.subway.ui
      - Station.java
      - Tab1\_ArrivalInfo.java
      - Tab3\_StationInfo.java
  - gen [Generated Java Files]
  - UML
  - assets
  - bin
  - res
  - AndroidManifest.out.xml
  - AndroidManifest.xml
  - proguard-project.txt
  - project.properties

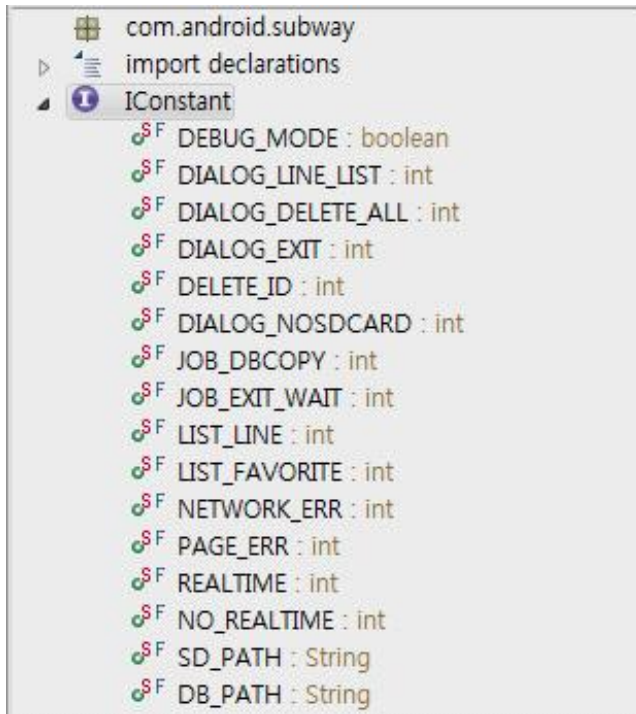
## 2. CommonFunction.java, MakeSubwayData.java, StationList.java

역명, 호선, 열차도착시간, 이전역, 다음역, 역정보(주소, 전화번호), 첫차, 막차에 대한 데이터 수집



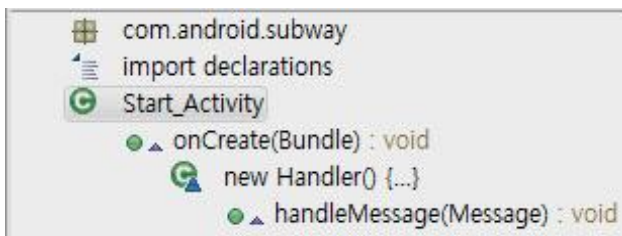
### 3. IConstant.java

각종 final 변수 선언



### 4. Start\_Activity.java

첫 로딩 화면을 구현



## 5. SubwayInfo.java

애플리케이션의 모든 기능을 구현

```
com.android.subway
import declarations
SubwayInfo
  tag : String
  ctx : Activity
  arrStation : ArrayList<StationInfo>
  stationInfo : StationInfo
  thread : Thread
  progressDialog : ProgressDialog
  dialog : Dialog
  Line_dialog : Dialog
  strDBname : String
  strCID : String
  mAdapter : StationAdapter
  mJobId : int
  mListId : int
  preferences : SharedPreferences
  strVersion : String
  bSearch : boolean
  txtViewStationName : AutoCompleteTextView
  btnSearch : Button
  display : Display
  STATION : String[]
  Update() : void
  doCopy() : void
  onCreate(Bundle) : void
    new OnItemClickListener() {...}
    new OnClickListener() {...}
  onResume() : void
  onItemClick(ListView, View, int, long) : void
  onCreateContextMenu(ContextMenu, View, ContextMenuInfo) : void
  onContextItemSelected(MenuItem) : boolean
  onCreateOptionsMenu(Menu) : boolean
  onPrepareOptionsMenu(Menu) : boolean
  onOptionsItemSelected(MenuItem) : boolean
  SearchButton(String) : void
  makeRecentStation() : void
  fillData(Cursor) : void
  run() : void
  handler : Handler
    new Handler() {...}
  savePreferences() : void
```

## 6. CommonFunction.java, DBAdapter.java, LocalDBAdapter.java, StationAdapter.java, StationInfo.java

수집 된 데이터를 사용자가 요청에 따라 가져온다.

```
com.android.subway.common
import declarations
CommonFunction
    MakeScheduleFirstLast(String, String) : String[]
    getstrDayOftheWeek() : String
    DownloadHtml(String) : String
```

```
com.android.subway.common
import declarations
DBAdapter
    KEY_STATIONNAME : String
    DATABASE_NAME : String
    TABLE_NAME : String
    mDb : SQLiteDatabase
    close() : void
    open() : void
    selectStationToLine(String) : Cursor
    selectStationToName(String) : Cursor
    selectStationToStationLine(String, String) : Cursor
    setDBname(String) : void
```

```
com.android.subway.common
import declarations
LocalDBAdapter
    STATIONNAME : String
    STATIONLINE : String
    FREQUENCY : String
    mDb : SQLiteDatabase
    DATABASE_NAME : String
    DATABASE_TABLE : String
    DATABASE_CREATE : String
    open(Context) : void
    close() : void
    insertItem(String, String) : void
    select() : Cursor
    deleteItem(String, String) : void
    deleteItemAll() : void
```

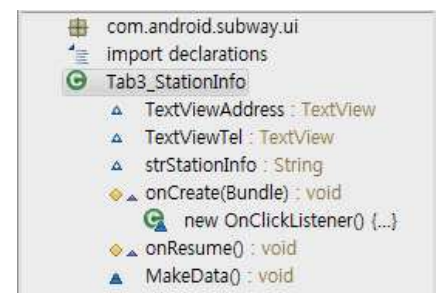
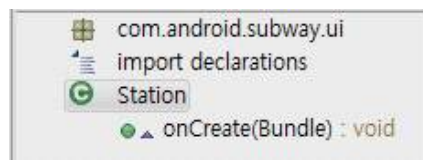
```
com.android.subway.common
import declarations
StationAdapter
    items : ArrayList<StationInfo>
    ctx : Context
    StationAdapter(Context, int, ArrayList<StationInfo>)
    setItems(ArrayList<StationInfo>) : void
    getItems() : ArrayList<StationInfo>
    getView(int, View, ViewGroup) : View
```

```
com.android.subway.common
StationInfo
    Line : String
    StationName : String
    StationInfo(String, String)
    getLine() : String
    getStationName() : String
```



## 7. Station.java, Tab1\_ArrivalInfo.java, Tab3\_StationInfo.java

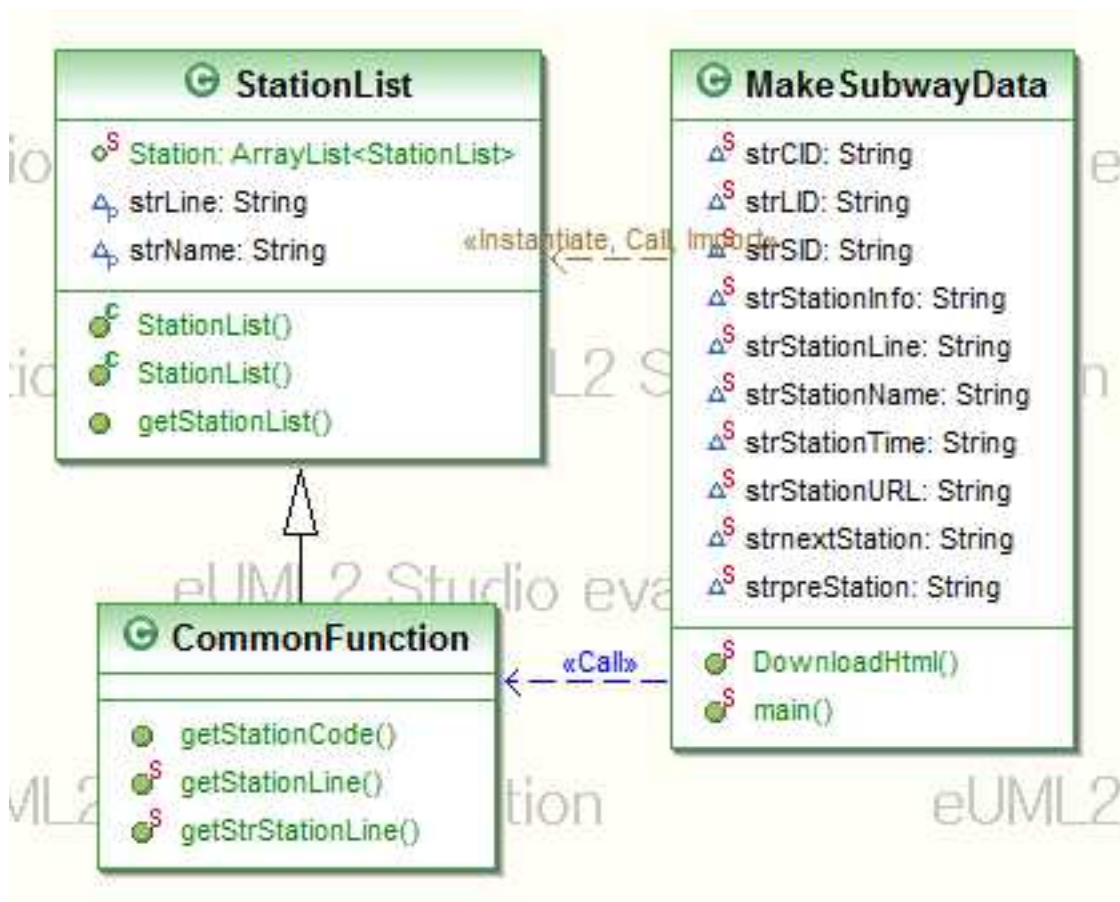
애플리케이션의 전체적인 UI와 그 안에 들어가는 두 개의 탭 UI 구성



## 8. 패키지 다이어그램

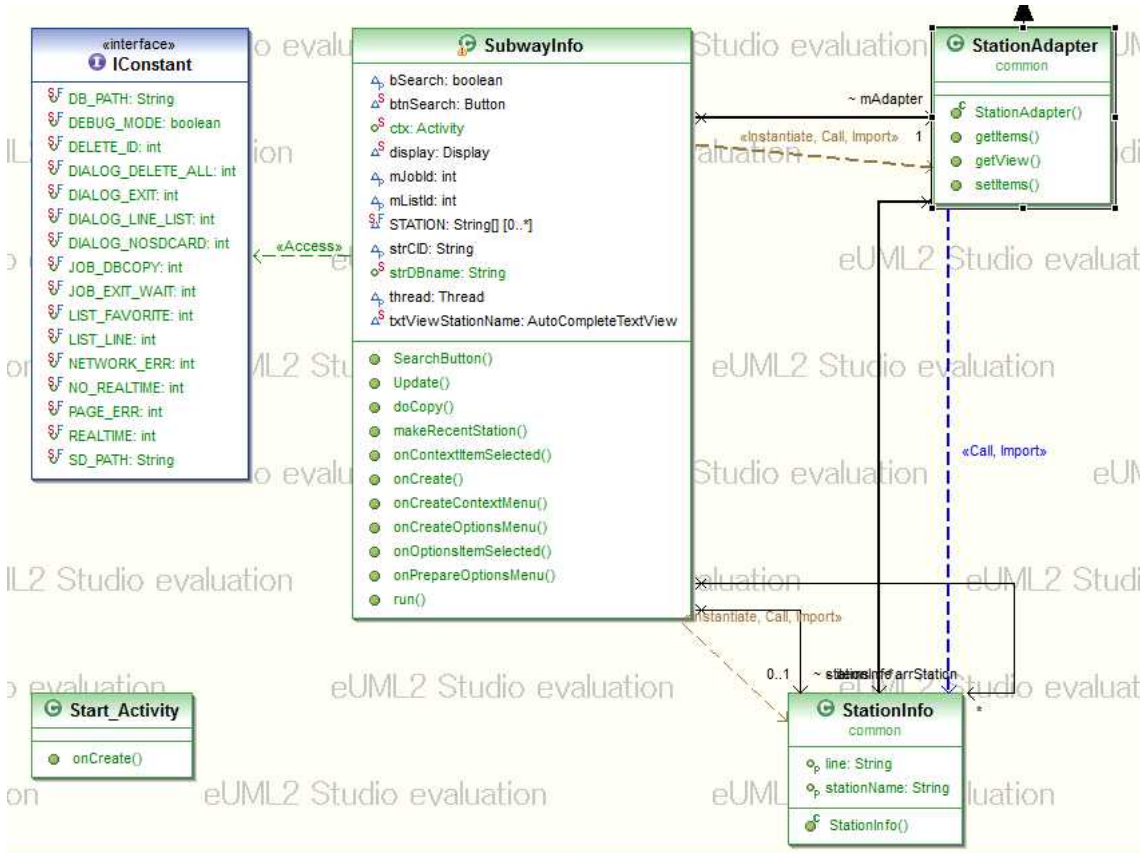


## 9. default package 클래스 다이어그램

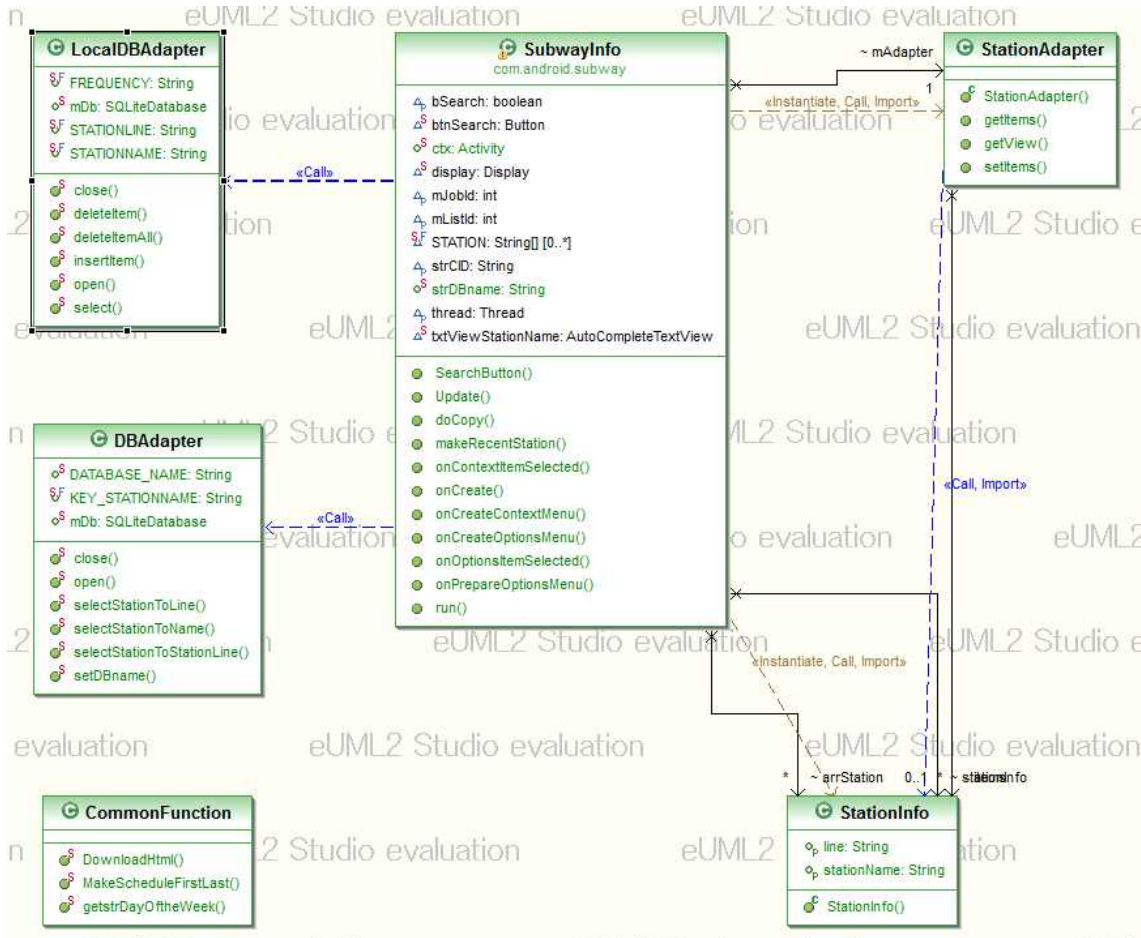




## 10. com.android.subway package 클래스 다이어그램



## 11. com\_android\_subway\_common package 클래스 다이어그램



## 12. com\_android\_subway\_ui package 클래스 다이어그램

