AppCompatActivity

- mDelegate: AppCompatDelegate
- mResources: Resources

attachBaseContext(Context newBase): void
onCreate(Bundle savedInstanceState): void
+ setTheme(int resId): void
# onPostCreate(Bundle savedInstancestate): void
+ getSupportActionBar(): ActionBar
+ setSupportActionBar(Toolbar toolbar): void
+ getMenuInflater(): MenuInflater
+ setContentView(int layoutResID): void
+ setContentView(View view): void
+ setContentView(View view, ViewGroup.LayoutParams params): void
+ addContentView(View view, ViewGroup.LayoutParams params): void
+ onConfigurationChanged(Configuration newConfig): void
# onPostResume(): void
# onStart(): void
# onStop(): void
+ findByViewId(int id): T extends View
+ onMenuItemSelected(int featureId, android.view.MenuItem item):boolean
# onDestroy(): void
# onTitleChanged: void
+ supportRequestWindowFeature(int featureId): boolean
+ supportInvalidateOptionsMenu(): void
+ invalidateOptionsMenu(): void
+ onSupportActionModeStarted(ActionMode mode): void
+ onSupportActionModeFinished(ActionMode mode): void
+ onWindowStartingSupportActionMode(ActionMode.Callback callback): ActionMode
+ startSupportActionMode(ActionMode.Callback callback): ActionMode
+ setSupportProgressBarVisibility(boolean visible): void
+ setSupportProgressBarIndeterminateVisibility(boolean visible): void
+ setSupportProgressBarIndeterminate(boolean indeterminate): void
+ setSupportProgress(int progress): void
+ onCreateSupportNavigateUpTaskStack(TaskStackBuilder builder): void
+ onPrepareSupportNavigateUpTaskStack(TaskStackBuilder builder): void
+ onSupportNavigateUp(): boolean
+ getSupportParentActivityIntent(): Intent
+ supportShouldUpRecreateTask(Intent targetIntent): boolean
+ supportNavigateUpTo(Intent upIntent): void
+ onContentChanged(): void
+ getDrawerToggleDelegate(): ActionBarDrawerToggle.Delegate
+ onMenuOpened(int featureId, Menu menu): boolean
+ onPanelClosed(int featureId, Menu menu): void
# onSaveInstanceState(Bundle outState): void
+ getDelegate(): AppCompatDelegate
+ dispatchKeyEvent(KeyEvent event): boolean
+ getResources(): Resources
+ performMenuItemShortcut(KeyEvent event): boolean
+ onKeyDown(int keyCode, KeyEvent event): boolean
+ openOptionsMenu(): void
+ closeOptionsMenu(): void
# onNightModeChanged(int mode): void

SDA 1.1 UML Class Diagram
Template
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extends

extends

ItemList

- items: ArrayList<Item>
- FILENAME: String

+ setItems(ArrayList<Item> item_list): void
+ getItems(): ArrayList<Item>
+ addItem(Item item): void
+ deleteItem(Item item): void
+ getItem(int index): Item
+ getIndex(Item item): int
+ getSize(): int
+ loadItems(Context context): void
+ saveItems(Context context): void
+ filterItemsByStatus(String status): ArrayList<Item>

EditItemActivity

- item_list: ItemList
- item: Item
- context: Context
- image: Bitmap
- REQUEST_CODE:int
- photo: ImageView
- title: EditText
- EditText maker: EditText
- EditText description: EditText
- EditText length: EditText
- EditText width: EditText
- EditText height: EditText
- EditText borrower: EditText
- borrower_tv: TextView
- status: Switch

onCreate(Bundle savedInstanceState): void
+ addPhoto(View view): void
+ deletePhoto(View view): void
# onActivityResult(int request_code, int result_code, Intent intent): void
+ deleteItem(View view): void
+ saveItem(View view): void
+ toggleSwitch(View view): void

AddItemActivity

- title: EditText
- maker: EditText
- description: EditText
- length: EditText
- width: EditText
- height: EditText
- photo: ImageView
- image: Bitmap
- REQUEST_CODE: int
- item_list: ItemList
- context: Context

onCreate(Bundle savedInstanceState): void
+ saveItem (View view): void
+ addPhoto(View view): void
+ deletePhoto(View view): void
# onActivityResult(int request_code, int result_code, Intent intent): void

Item

- title: String
- maker: String
- description: String
- dimensions: Dimensions
- status: String
- borrower: String
image: Bitmap
image_base64: String
- id: String

+ getId(): String
+ setId(): void
+ updateId(String id): void
+ setTitle(String title): void
+ getTitle(): String
+ setMaker(String maker): void
+ getMaker(): String
+ setDescription(String description): void
+ getDescription(): String
+ setDimensions(Dimensions dimensions): void
+ getDimensions(): Dimensions
+ setStatus(String status): void
+ getStatus(): String
+ setBorrower(String borrower): void
+ getBorrower(): String
+ addImage(Bitmap new_image): void
+ getImage(): Bitmap

Dimensions

- length: String
- width: String
- height: String

+ getLength(): String
+ getWidth(): String
+ getHeight(): String
+ getDimensions(): String
+ setDimensions(String length, String width, String height): void

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