

MainActivity
<pre># onCreate(savedInstanceState: Bundle) + addItemActivity(view: View)</pre>

SectionsPagerAdapter
<pre>+ SectionsPagerAdapter(fm: FragmentManager) + getItem(position: int): Fragment + getCount(): int + getPageTitle(position: int): CharSequence</pre>

ItemsFragment
<pre>- item_list: ItemList = new ItemList() - rootView: View = null - list_view: ListView = null - adapter: ArrayAdapter<Item> = null - selected_items: ArrayList<Item> - inflater: LayoutInflater - container: ViewGroup - context: Context</pre>
<pre>+ onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View + setVariables(resource: int, id: int) + setAdapter(fragment: Fragment) + filterItems(): ArrayList<Item></pre>

AllItemsFragment
<pre>+ onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View + filterItems(): ArrayList<Item></pre>

AvailableItemsFragment
<pre>+ onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View + filterItems(): ArrayList<Item></pre>

BorrowedItemsFragment
<pre>+ onCreateView(inflater: LayoutInflater, container: ViewGroup, savedInstanceState: Bundle): View + filterItems(): ArrayList<Item></pre>

AddItemActivity
<pre>- title: EditText - maker: EditText - description: EditText - length: EditText - width: EditText - height: EditText - photo: ImageView - image: Bitmap - REQUEST_CODE: int = 1 - item_list: ItemList = new ItemList() - context: Context</pre>
<pre># onCreate(savedInstanceState: Bundle) + saveItem(view: View) + addPhoto(view: View) + deletePhoto(view: View) # onActivityResult(request_code: int, result_code: int, intent: Intent)</pre>

EditItemActivity
<pre>- item_list: ItemList = new ItemList() - item: Item - context: Context - image: Bitmap - REQUEST_CODE: int = 1 - photo: ImageView - title: EditText - maker: EditText - description: EditText - length: EditText - width: EditText - height: EditText - borrower: EditText - borrower_tv: TextView - status: Switch</pre>
<pre># onCreate(savedInstanceState: Bundle) + addPhoto(view: View) + deletePhoto(view: View) # onActivityResult(request_code: int, result_code: int, intent: Intent) + deleteItem(view: View) + saveItem(view: View) + toggleSwitch(view: View)</pre>

ItemList
<pre>- items: ArrayList<Item> - FILENAME: String = "items.sav"</pre>
<pre>+ ItemList + setItems(item_list: ArrayList<Item>) + getItems(): ArrayList<Item> + addItem(item: Item) + deleteItem(item: Item) + getItem(index: int): Item + getIndex(item: Item): int + getSize(): int + loadItems(context: Context) + saveItems(context: Context) + filterItemsByStatus(status: String): ArrayList<Item></pre>

Item
<pre>- title: String - maker: String - description: String - dimensions: Dimensions - status: String - borrower: String # image: Bitmap # image_base64: String - id: String</pre>
<pre>+ Item(title: String, maker: String, description: String, dimensions: Dimensions, image: Bitmap, id: String) + getId(): String + setId() + updateId(id: String) + setTitle(title: String) + getTitle(): String + setMaker(maker: String) + getMaker(): String + setDescription(description: String) + getDescription(): String + setDimensions(dimensions: Dimensions) + getDimensions(): Dimensions + setStatus(status: String) + getStatus(): String + setBorrower(borrower: String) + getBorrower(): String + addImage(new_image: Bitmap) + getImage(): Bitmap</pre>

ItemAdapter
<pre>- inflater: LayoutInflater - fragment: Fragment - context: Context</pre>
<pre>+ ItemAdapter(context: Context, items: ArrayList<Item>, fragment: Fragment) + getView(position: int, convertView: View, parent: ViewGroup): View</pre>

Dimensions
<pre>- length: String - width: String - height: String</pre>
<pre>+ Dimensions(length: String, width: String, height: String) + getLength(): String + getWidth(): String + getHeight(): String + getDimensions(): String + setDimensions(length: String, width: String, height: String)</pre>