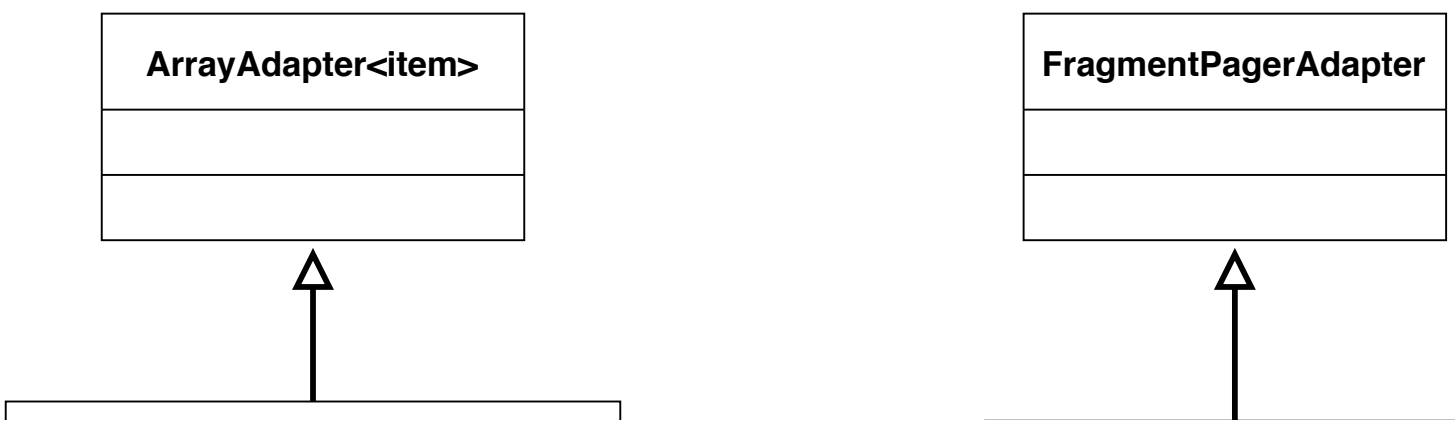
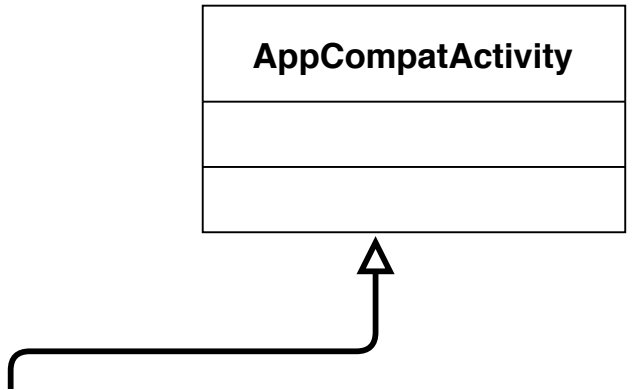
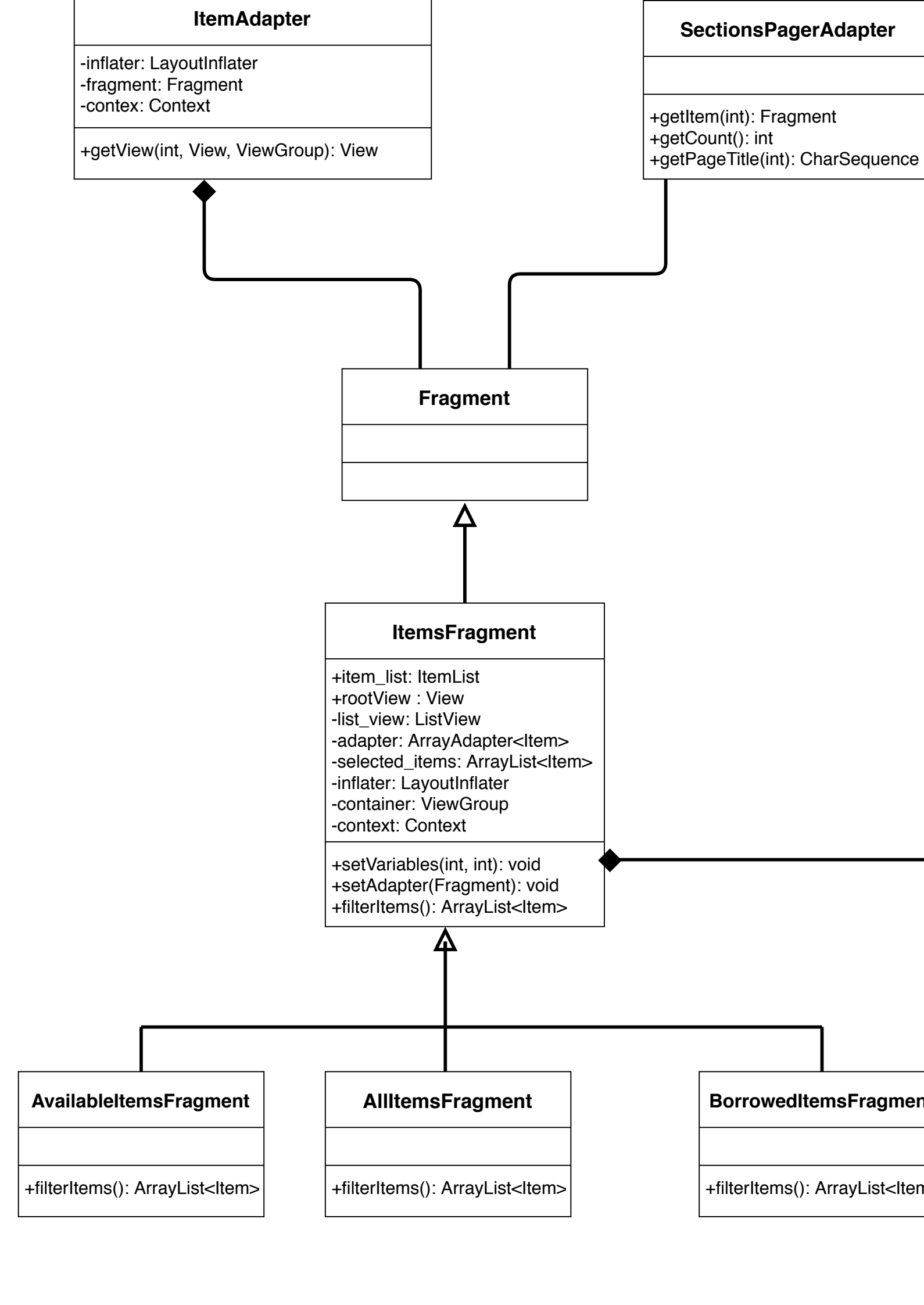
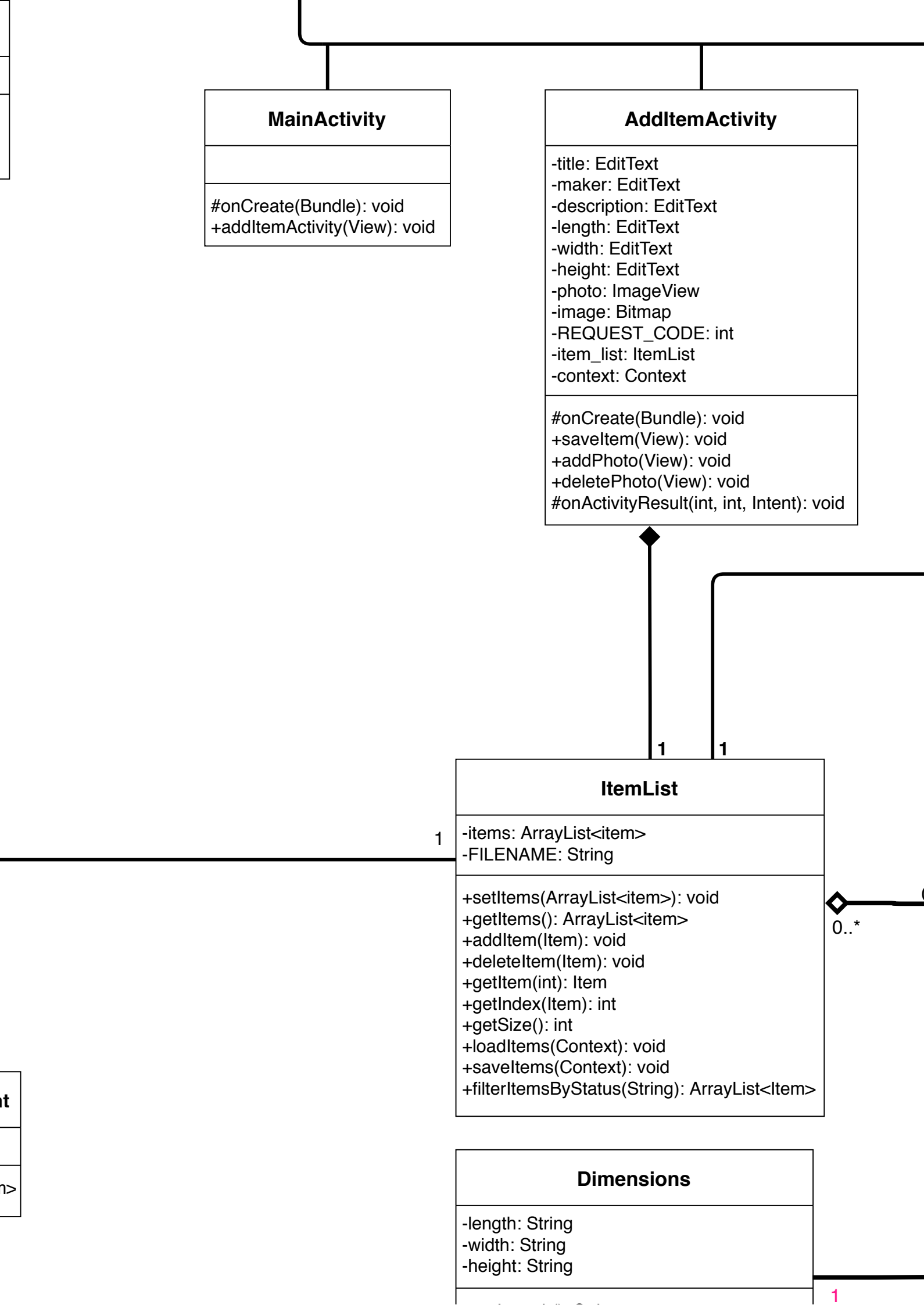
Sharing App. UML Class Diagram

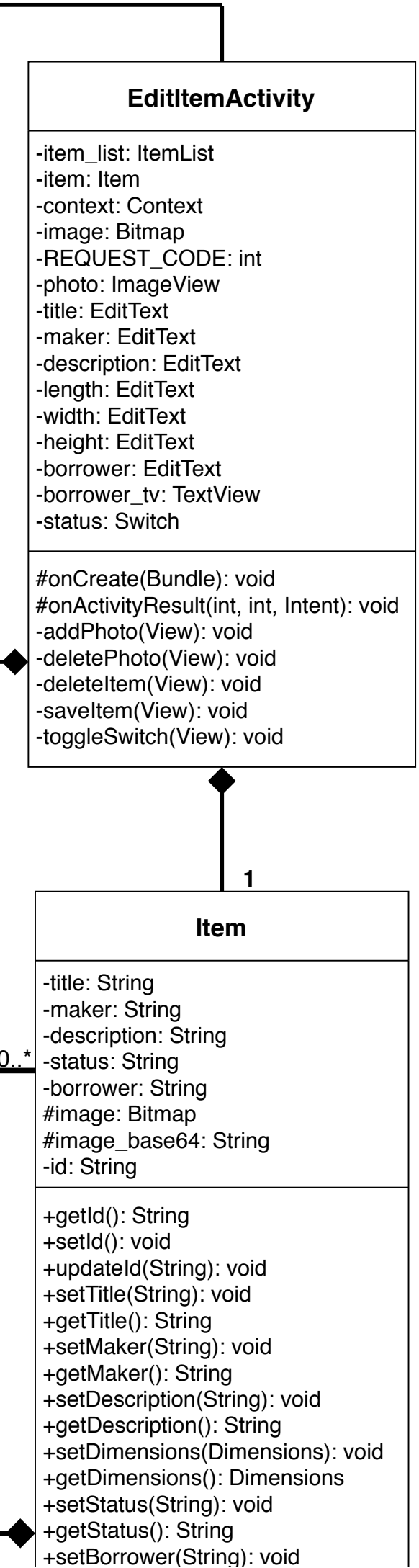


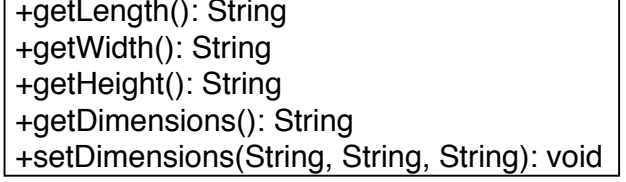
Mohamed Elhawary l 28/9/2020




ItemAdapter
-inflater: LayoutInflater
-fragment: Fragment
-contex: Context
+getView(int, View, ViewGroup): View
SectionsPagerAdapter
+getItem(int): Fragment
+getCount(): int
+getPageTitle(int): CharSequence
Fragment
ItemsFragment
+item_list: ItemList
+rootView : View
-list_view: ListView
-adapter: ArrayAdapter<Item>
-selected_items: ArrayList<Item>
-inflater: LayoutInflater
-container: ViewGroup
-context: Context
+setVariables(int, int): void
+setAdapter(Fragment): void
+filterItems(): ArrayList<Item>
AvailableItemsFragment
+filterItems(): ArrayList<Item>
AllItemsFragment
+filterItems(): ArrayList<Item>
BorrowedItemsFragmen
+filterItems(): ArrayList<Item


MainActivity
#onCreate(Bundle): void
+addItemActivity(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): void
+saveItem(View): void
+addPhoto(View): void
+deletePhoto(View): void
#onActivityResult(int, int, Intent): void
1
1
1
ItemList
-items: ArrayList<item>
-FILENAME: String
+setItems(ArrayList<item>): void
+getItems(): ArrayList<item>
+addItem(Item): void
+deleteItem(Item): void
+getItem(int): Item
+getIndex(Item): int
+getSize(): int
+loadItems(Context): void
+saveItems(Context): void
+filterItemsByStatus(String): ArrayList<Item>
0..*
Dimensions
-length: String
-width: String
-height: String
1


EditItemActivity
-item_list: ItemList
-item: Item
-context: Context
-image: Bitmap
-REQUEST_CODE: int
-photo: ImageView
-title: EditText
-maker: EditText
-description: EditText
-length: EditText
-width: EditText
-height: EditText
-borrower: EditText
-borrower_tv: TextView
-status: Switch
#onCreate(Bundle): void
#onActivityResult(int, int, Intent): void
-addPhoto(View): void
-deletePhoto(View): void
-deleteItem(View): void
-saveItem(View): void
-toggleSwitch(View): void
1
Item
-title: String
-maker: String
-description: String
-status: String
-borrower: String
#image: Bitmap
#image_base64: String
-id: String
+getId(): String
+setId(): void
+updateId(String): void
+setTitle(String): void
+getTitle(): String
+setMaker(String): void
+getMaker(): String
+setDescription(String): void
+getDescription(): String
+setDimensions(Dimensions): void
+getDimensions(): Dimensions
+setStatus(String): void
+getStatus(): String
+setBorrower(String): void


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

+getBorrower(): String
+addImage(Bitmap): void
+getImage(): Bitmap