AppCompatActivity AddItemActivity EditItemActivity - title: EditText - item_list: ItemList = new ItemList() - maker: EditText - item: Item description: EditText - context: Context length: EditText - image: Bitmap width: EditText - REQUEST_CODE: int = 1 height: EditText - photo: ImageView title: EditText - photo: ImageView - maker: EditText - image: Bitmap - REQUEST_CODE: int = 1 description: EditText - item_list: ItemList = new ItemList() - length: EditText context: Context - width: EditText height: EditText borrower: EditText # onCreate(savedInstanceState Bundle): void borrower_tv: TextView + saveItem(view: View): void - status: Switch + addPhoto(view: View): void + deletePhoto(view: View): void + onActivityResult(request_code: int, result_code: int, intent: Intent): void # onCreate(savedInstanceState): void + addPhoto(view: View): void + deletePhoto(view: View): void + onActivityResult(request_code: int, result_code: int, intent: Intent): void + saveItem(view: View): void + toggleSwitch(view View): void ItemList items: ArrayList<Item> - FILENAME: String = "items.sav" + setItems(item_list: ArrayList<Item>): void + getItems(): ArrayList<Item> + addItem(item: Item): void + deleteItem(item: Item): void + getItem(index: int): Item + getIndex(item: Item): int + getSize(): int + loadItems(context: Context): void + saveItems(context: Context): void + filterItemsByStatus(status: String): ArrayList<Item> 0..* - title: String - maker: String - description: String - dimensions: Dimensions - status: String - borrower: String # image: Bitmap # image_base64: String - id: String + getId(): String + setId(): void + updateId(id: String): void + setTitle(title: String): void + getTitle(): void + setMaker(maker: String): void + getMaker(): String + setDescription(description: String): void + getDescription(): String + setDimensions(dimensions: Dimensions): void + getDimensions(): Dimensions + setStatus(status: String): void + getStatus(): String + setBorrower(borrower: String): void + addImage(new_image: Bitmap): void Dimensions + getImage(): Bitmap length: String - width: String height: String + getLength(): String + getWidth(): String + getHeight(): String

+ getDimensions: String

+ setDimensions(length: String, width: String, height: String): void