Group\_0582 UML Diagrams for Project Phase 2 November 30, 2017 David C., Felix L., Helen J., Alex T.

# Package: Controller

### Controller

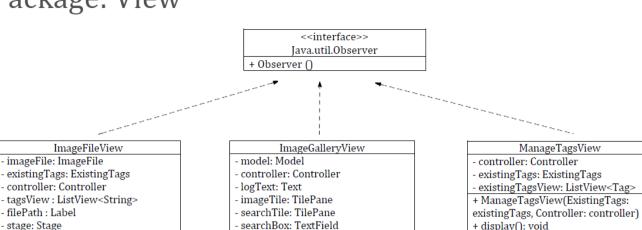
- model: Model
- + Controller(Model: model)
- + init(): void
- + moveFile(ImageFile: imageFile, File: destDirectory): void
- + addTag(String: name): void + removeTags(ArrayList<Tag>: tags):
- + revertToName(ImageFile imageFile, String: name): void
- + setTags(ImageFile: imageFile,
- ArrayList<Tag>: tags): void
- + openImageFileView(ImageFile:
- imageFile): void
- +openManageTagsView(): void + close(): void

Package: Model Iava.util.Observable + Observable() # setChanged(): void + notifyObservers(): void <<interface>> + addObserver(Observer O): void Iava.io.Serializable ExistingTags ImageFile Model Tag existingTags: ArravList<Tag> - log: Log - EXTENSIONS: ArrayList<String> - tag: String + ExistingTags() - originalName: String - IMAGE DATA PATH: String + Tag(String: tag) + getExistingTags(): ArrayList<Tag> - fileExtension: String - EXISTING TAGS PATH: String + getTag(): String + findTag(String: tagName): Tag - imageFiles : ArrayList<ImageFile> - currentTags: ArravList<Tag> + equals(Object: o): boolean + addTag(Tag tag): void - pastImageNames: - root: File + toString(): String + removeTag(Tag tag): void - existingTags: ExistingTags ArrayList<String> - file: File + Model(File: file) + ImageFile(File: file) - readObject(String: Path): Object + readLog(): String - writeObject(String: filePath, Object: + getFile(): File obi): void + getCurrentTags(): ArrayList<Tag> + getImageFile(File: file): ImageFile + getExistingTags(): ExistingTags + getPastImageNames∩: + getImageFiles(): ArrayList<String> ArrayList<ImageFile> - encodeToString(ArrayList<Tag>: Java.util.logging.Formatter tags): String + getRoot(): File + Formatter() + editTags(ArrayList<Tag> tags): + saveAll(): void + format(LogRecord record): String + moveTo(File: dest): void + getOriginalName(): String Log - logger: Logger LogFormatter - fileName: String - df: DateFormat - Log(String: fileName) + format (LogRecord: record): String

- writeLog(String: message): void

- readLog(): String

## Package: View



- stage: Stage
- + ImageFileView(ImageFile: imageFile, ExistingTags:
- existingTags, Controller: controller)
- + display∩: void - loadView(): void
- + update(Observable o, Object arg): void

#### ConfirmBox

- title: String
- answer: boolean
- message: String
- + ConfirmBox(String: title, String: message)
- + display(): boolean

- searchBox: TextField
- + ImageGalleryView(Model: model, Controller: controller)
- + display(): void
- createImageView(ImageFile : imageFile): ImageView
- loadView(): void
- refreshLog(): void
- search(String: query): void
- + update(Observable: o, Object arg): void

#### AlertBox

- title: String
- alert: String
- + AlertBox(String: title, String: alert)
- + display(): void

+ update(Observable o, Object arg):

- TagHistoryView - imageFile: ImageFile
- selectedName: String
- + TagHistoryView(ImageFile: imageFile)
- + display(): String

- loadView∩: void

void

#### RemoveTagsView

- existingTags: ArrayList<String>
- selectedTags: ArrayList<String>
- + RemoveTagsView(

ArrayList<String>: existingTags)

+ display(): ArrayList<Tag>

### AddTagView

- tag: String
- + display(): String

#### AddRemoveTagsView

- imageFlle: ImageFile
- existingTags: ArrayList<String>
- selectedTags: ArrayList<String>
- + AddRemoveTagsView( ImageFile: imageFile, ArrayList<String>: existingTags)
- + display(): ArrayList<Tag>

Package: Default

