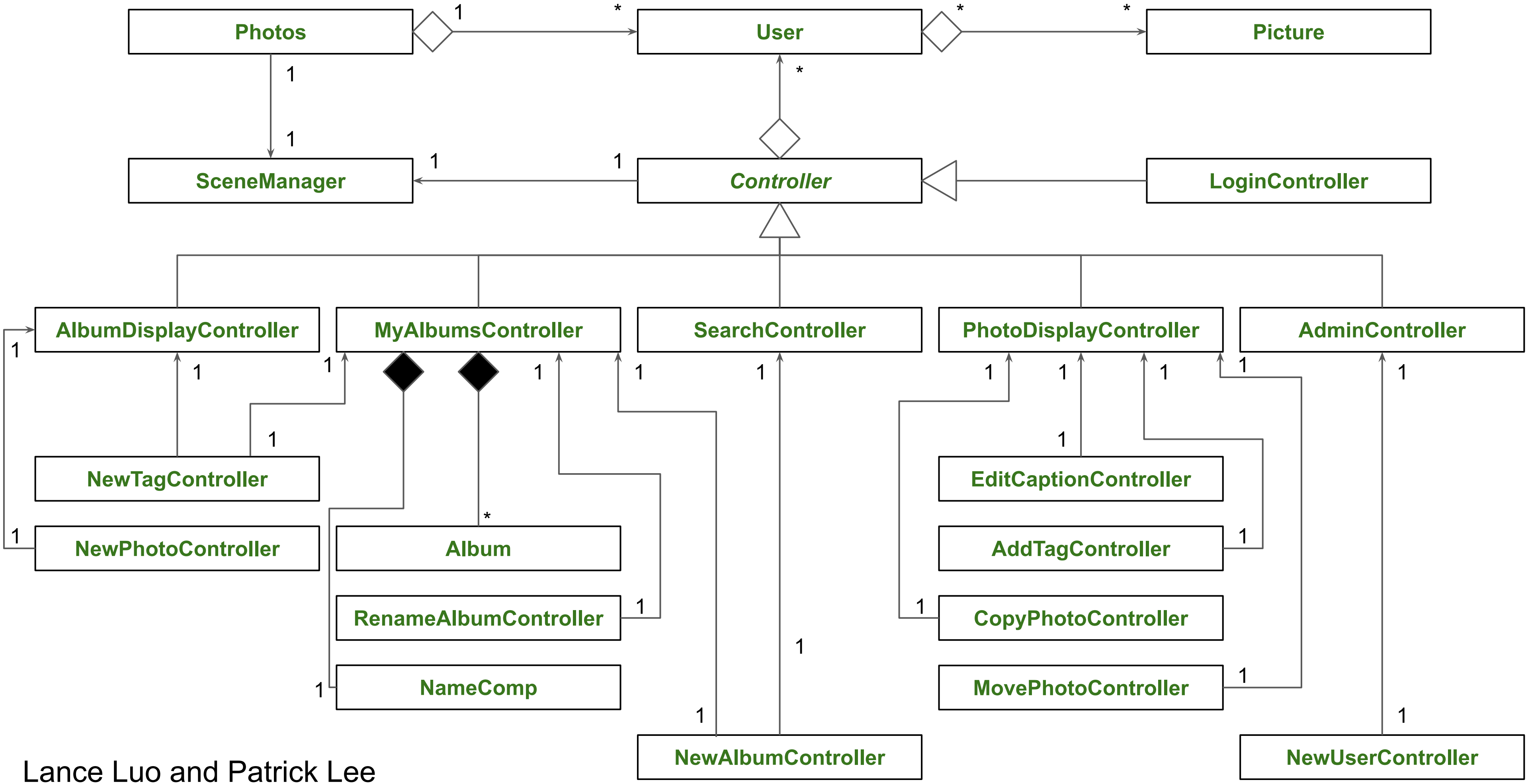
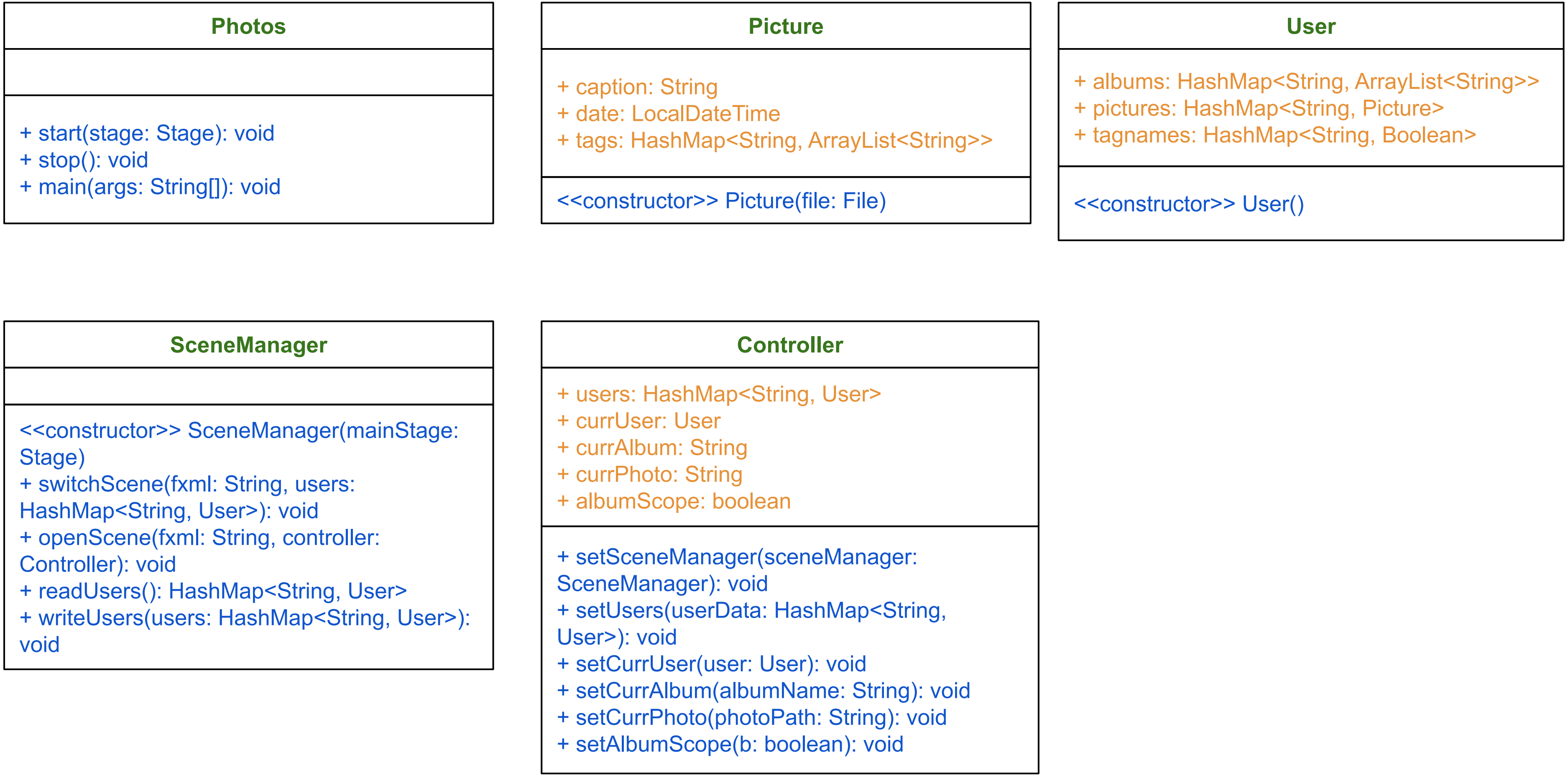


Lance Luo and Patrick Lee



Photos

+ start(stage: Stage): void
+ stop(): void
+ main(args: String[]): void

Picture

+ caption: String
+ date: LocalDateTime
+ tags: HashMap<String, ArrayList<String>>

<<constructor>> Picture(file: File)

User

+ albums: HashMap<String, ArrayList<String>>
+ pictures: HashMap<String, Picture>
+ tagnames: HashMap<String, Boolean>

<<constructor>> User()

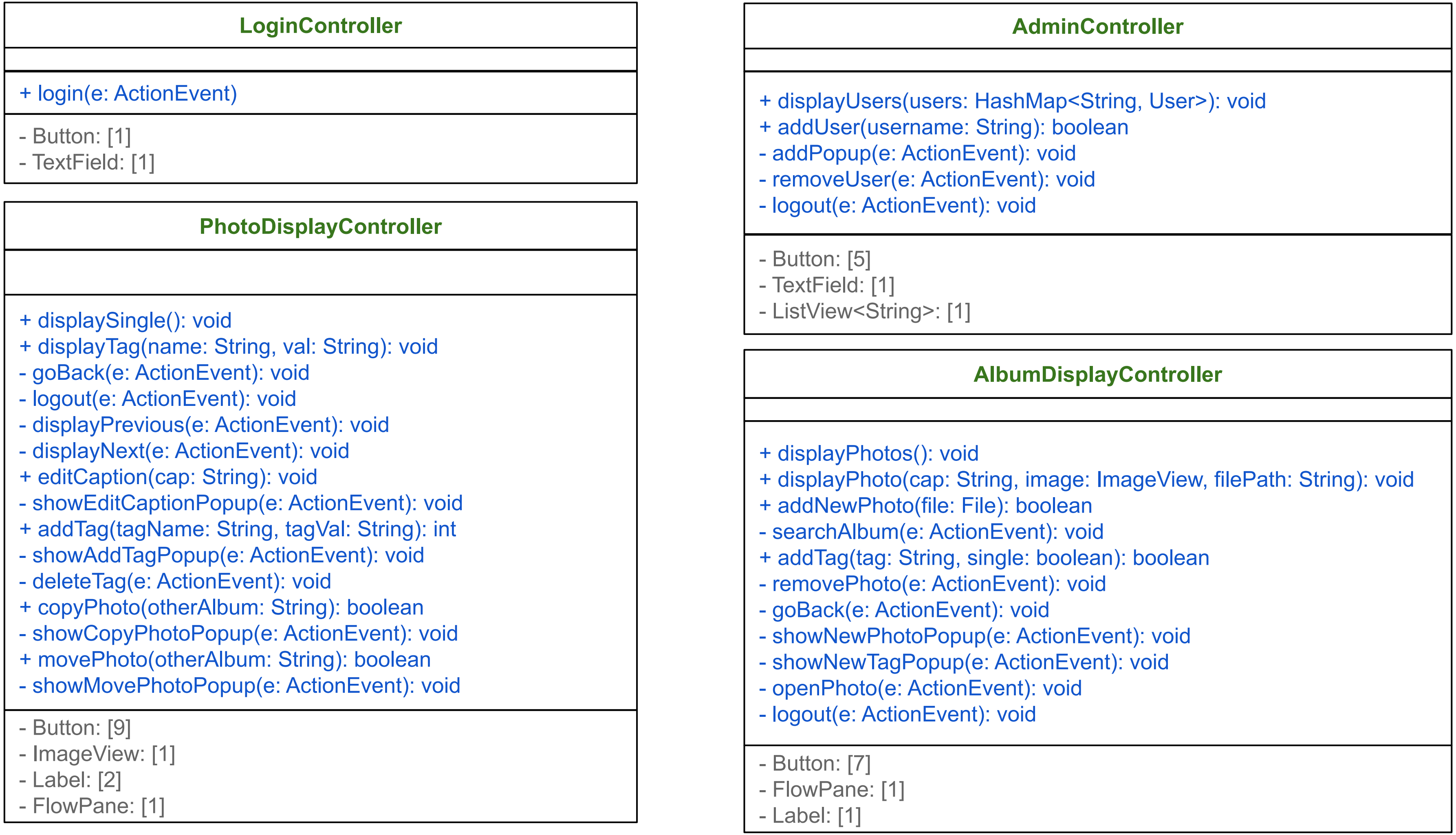
SceneManager

<<constructor>> SceneManager(mainStage: Stage)
+ switchScene(fxml: String, users: HashMap<String, User>): void
+ openScene(fxml: String, controller: Controller): void
+ readUsers(): HashMap<String, User>
+ writeUsers(users: HashMap<String, User>): void

Controller

+ users: HashMap<String, User>
+ currUser: User
+ currAlbum: String
+ currPhoto: String
+ albumScope: boolean

+ setSceneManager(sceneManager: SceneManager): void
+ setUsers(userData: HashMap<String, User>): void
+ setCurrUser(user: User): void
+ setCurrAlbum(albumName: String): void
+ setCurrPhoto(photoPath: String): void
+ setAlbumScope(b: boolean): void



LoginController

+ login(e: ActionEvent)

- Button: [1]
- TextField: [1]

PhotoDisplayController

+ displaySingle(): void
+ displayTag(name: String, val: String): void
- goBack(e: ActionEvent): void
- logout(e: ActionEvent): void
- displayPrevious(e: ActionEvent): void
- displayNext(e: ActionEvent): void
+ editCaption(cap: String): void
- showEditCaptionPopup(e: ActionEvent): void
+ addTag(tagName: String, tagVal: String): int
- showAddTagPopup(e: ActionEvent): void
- deleteTag(e: ActionEvent): void
+ copyPhoto(otherAlbum: String): boolean
- showCopyPhotoPopup(e: ActionEvent): void
+ movePhoto(otherAlbum: String): boolean
- showMovePhotoPopup(e: ActionEvent): void

- Button: [9]
- ImageView: [1]
- Label: [2]
- FlowPane: [1]

AdminController

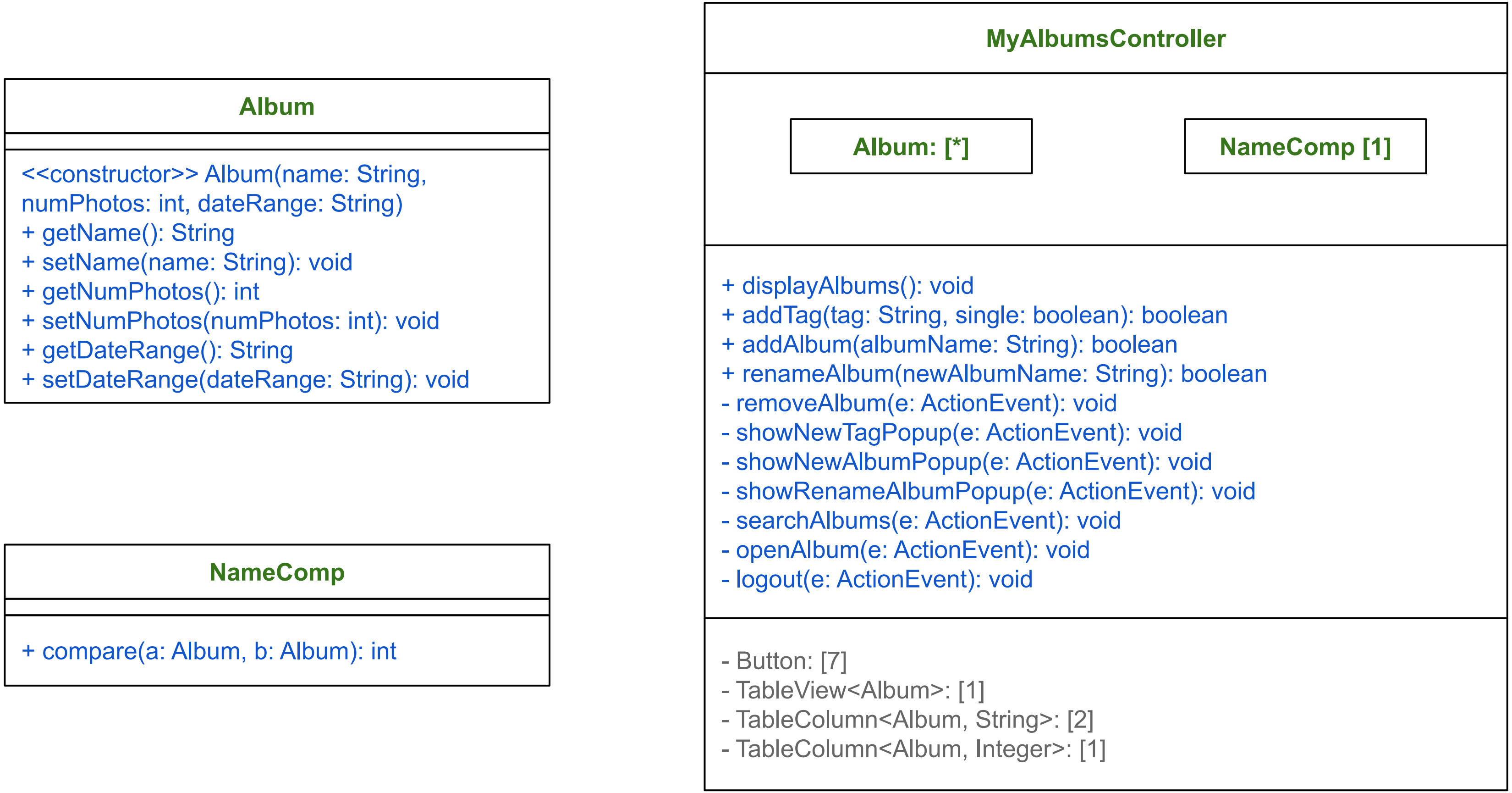
+ displayUsers(users: HashMap<String, User>): void
+ addUser(username: String): boolean
- addPopup(e: ActionEvent): void
- removeUser(e: ActionEvent): void
- logout(e: ActionEvent): void

- Button: [5]
- TextField: [1]
- ListView<String>: [1]

AlbumDisplayController

+ displayPhotos(): void
+ displayPhoto(cap: String, image: ImageView, filePath: String): void
+ addNewPhoto(file: File): boolean
- searchAlbum(e: ActionEvent): void
+ addTag(tag: String, single: boolean): boolean
- removePhoto(e: ActionEvent): void
- goBack(e: ActionEvent): void
- showNewPhotoPopup(e: ActionEvent): void
- showNewTagPopup(e: ActionEvent): void
- openPhoto(e: ActionEvent): void
- logout(e: ActionEvent): void

- Button: [7]
- FlowPane: [1]
- Label: [1]



Album

<<constructor>> Album(name: String, numPhotos: int, dateRange: String)
+ getName(): String
+ setName(name: String): void
+ getNumPhotos(): int
+ setNumPhotos(numPhotos: int): void
+ getDateRange(): String
+ setDateRange(dateRange: String): void

NameComp

+ compare(a: Album, b: Album): int

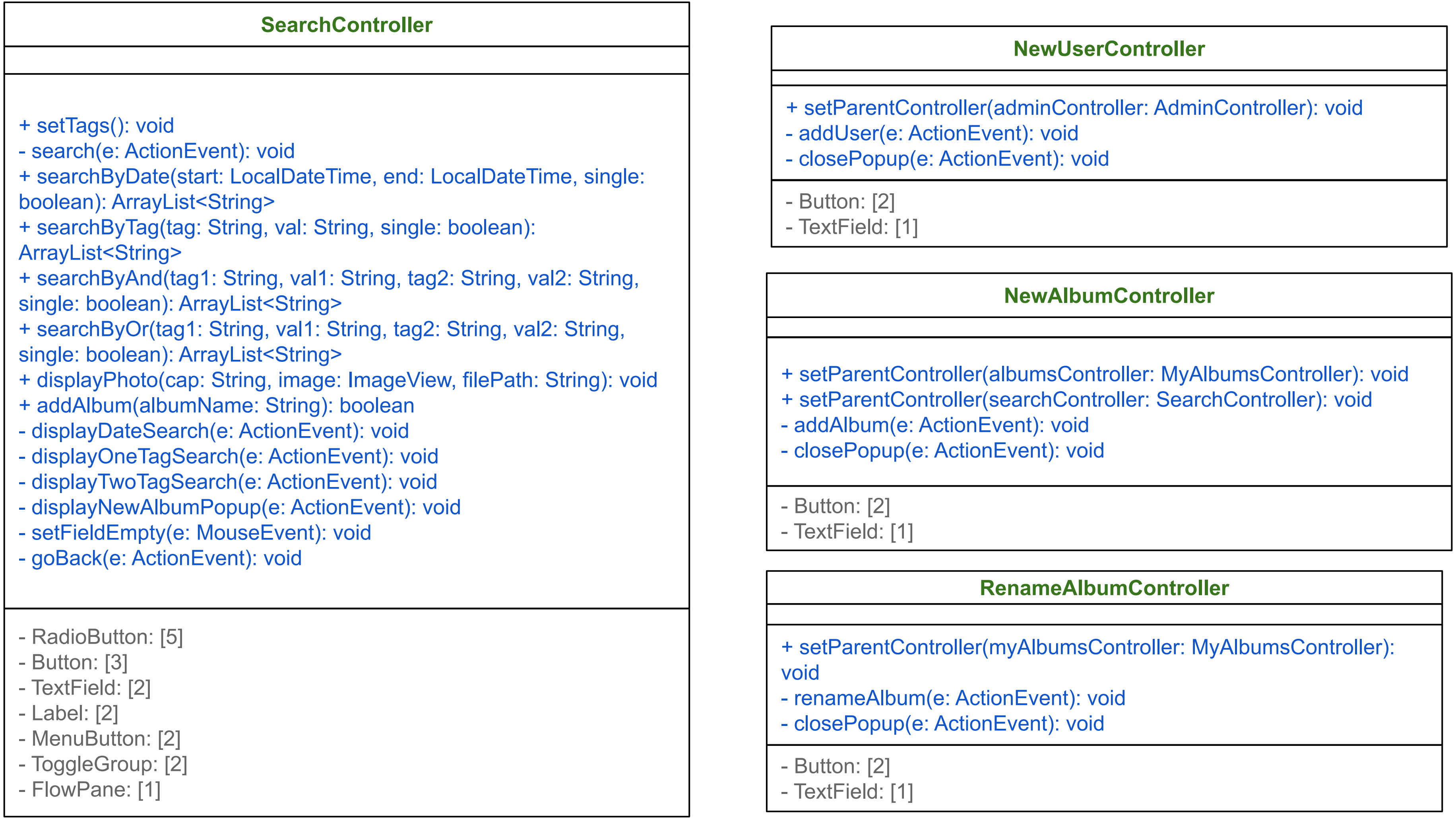
MyAlbumsController

Album: [*]

NameComp [1]

+ displayAlbums(): void
+ addTag(tag: String, single: boolean): boolean
+ addAlbum(albumName: String): boolean
+ renameAlbum(newAlbumName: String): boolean
- removeAlbum(e: ActionEvent): void
- showNewTagPopup(e: ActionEvent): void
- showNewAlbumPopup(e: ActionEvent): void
- showRenameAlbumPopup(e: ActionEvent): void
- searchAlbums(e: ActionEvent): void
- openAlbum(e: ActionEvent): void
- logout(e: ActionEvent): void

- Button: [7]
- TableView<Album>: [1]
- TableColumn<Album, String>: [2]
- TableColumn<Album, Integer>: [1]



SearchController

+ setTags(): void
- search(e: ActionEvent): void
+ searchByDate(start: LocalDateTime, end: LocalDateTime, single: boolean): ArrayList<String>
+ searchByTag(tag: String, val: String, single: boolean): ArrayList<String>
+ searchByAnd(tag1: String, val1: String, tag2: String, val2: String, single: boolean): ArrayList<String>
+ searchByOr(tag1: String, val1: String, tag2: String, val2: String, single: boolean): ArrayList<String>
+ displayPhoto(cap: String, image: ImageView, filePath: String): void
+ addAlbum(albumName: String): boolean
- displayDateSearch(e: ActionEvent): void
- displayOneTagSearch(e: ActionEvent): void
- displayTwoTagSearch(e: ActionEvent): void
- displayNewAlbumPopup(e: ActionEvent): void
- setFieldEmpty(e: MouseEvent): void
- goBack(e: ActionEvent): void

- RadioButton: [5]
- Button: [3]
- TextField: [2]
- Label: [2]
- MenuButton: [2]
- ToggleGroup: [2]
- FlowPane: [1]

NewUserController

+ setParentController(adminController: AdminController): void
- addUser(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- TextField: [1]

NewAlbumController

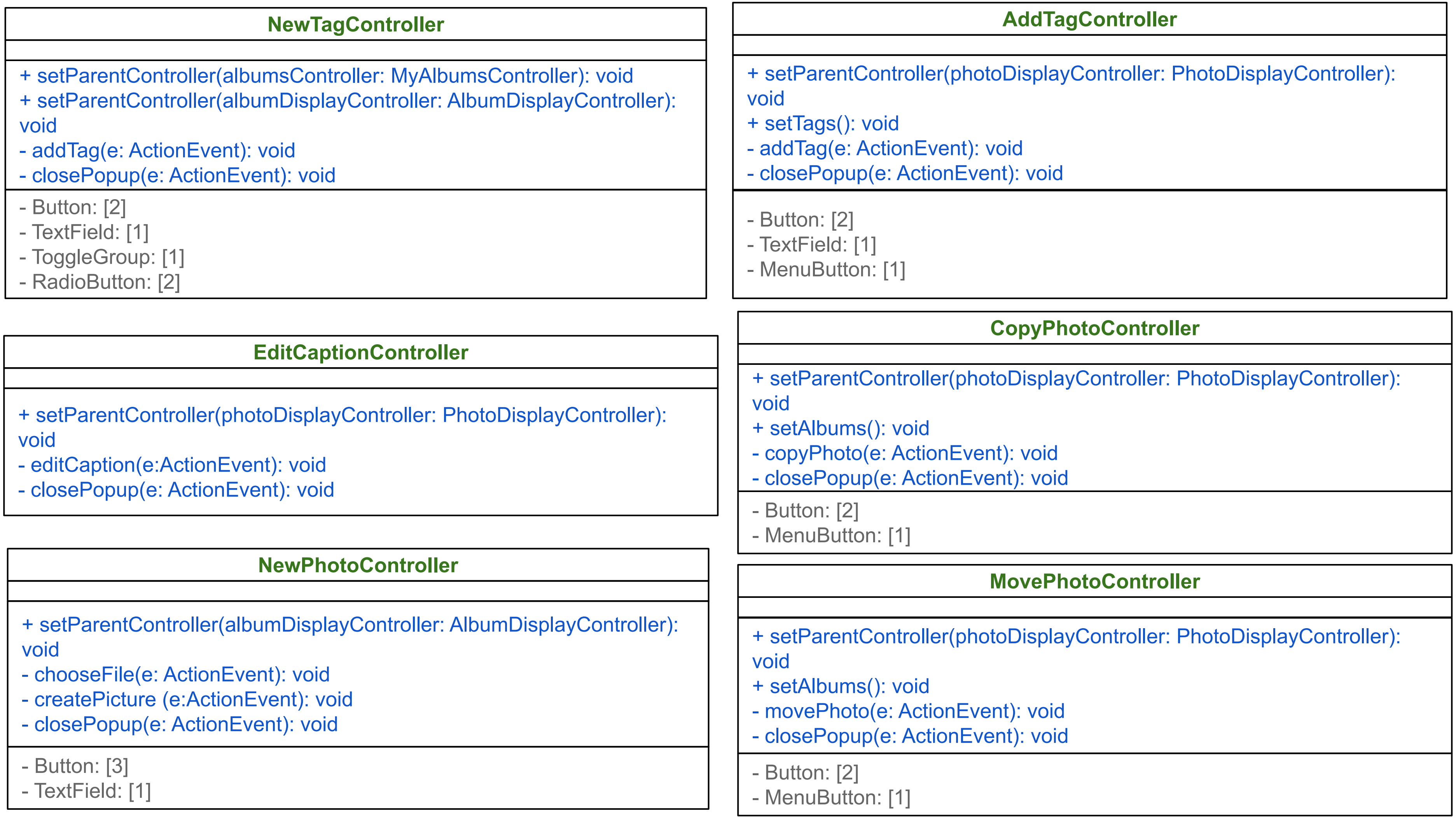
+ setParentController(albumsController: MyAlbumsController): void
+ setParentController(searchController: SearchController): void
- addAlbum(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- TextField: [1]

RenameAlbumController

+ setParentController(myAlbumsController: MyAlbumsController): void
- renameAlbum(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- TextField: [1]



NewTagController

+ setParentController(albumsController: MyAlbumsController): void
+ setParentController(albumDisplayController: AlbumDisplayController): void
- addTag(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- TextField: [1]
- ToggleGroup: [1]
- RadioButton: [2]

EditCaptionController

+ setParentController(photoDisplayController: PhotoDisplayController): void
- editCaption(e:ActionEvent): void
- closePopup(e: ActionEvent): void

NewPhotoController

+ setParentController(albumDisplayController: AlbumDisplayController): void
- chooseFile(e: ActionEvent): void
- createPicture (e:ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [3]
- TextField: [1]

AddTagController

+ setParentController(photoDisplayController: PhotoDisplayController): void
+ setTags(): void
- addTag(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- TextField: [1]
- MenuButton: [1]

CopyPhotoController

+ setParentController(photoDisplayController: PhotoDisplayController): void
+ setAlbums(): void
- copyPhoto(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- MenuButton: [1]

MovePhotoController

+ setParentController(photoDisplayController: PhotoDisplayController): void
+ setAlbums(): void
- movePhoto(e: ActionEvent): void
- closePopup(e: ActionEvent): void

- Button: [2]
- MenuButton: [1]