EventEntity
implements Serializable

+ description: String

+ EventEntity(): EventEntity

+ EventEntity(description: String): EventEntity

EventController

- picker: DatePicker

- notes: TextArea

- updateButton: Button

- deleteButton: Button

- label: Label

- temp: TextField

- saveConfirm: boolean

- deleteConfirm: boolean

- data: HashMap<LocalDate, String>

+ initialize(): void

+ alertConfirmation(): void

+ alertConfirmationD(): void

+ updateNotes(): void

+ deleteNotes(): void

+ exit(): void

+ load(): void

+ save(): void

CourseWorkEntity
implements Serializable

- assignment: String

- courseNumber: String

- instructor: String

- grade: String

+ CourseWorkEntity(): CourseWorkEntity

+ CourseWorkEntity(assignment: String, courseNumber: String, instructor: String, grade : String): CourseWorkEntity

---

CourseWorkController

- tableView: TableView<CourseWorkEntity>

- assignmentCol: TableColumn<CourseWorkEntity, String>

- courseNumberCol: TableColumn<CourseWorkEntity, String>

- instructorCol: TableColumn<CourseWorkEntity, String>

- gradeCol: TableColumn<CourseWorkEntity, String>

- assignmentField: TextField

- courseNumberField: TextField

- instructorField: TextField

- gradeField: TextField

- filterField: TextField

- addButton: Button

- deleteButton: Button

- courseworkList: ObservableList<CourseWorkEntity>

+ initialize(location: URL, resources: ResourceBundle): void

+ handleAddButton(event: ActionEvent): void

+ handleClearButton(event: ActionEvent): void

+ handleDeleteButton(event: ActionEvent): void

+ isValidInput(event: ActionEvent): boolean

+ filterData(): void

+ assignmentCol_OnEditCommit(e: Event): void

+ courseNumber_OnEditCommit(e: Event): void

+ instructor_OnEditCommit(e: Event): void

+ grade_OnEditCommit(e: Event): void

+ save(): void

+ load(): void

ContactEntity
implements Serializable

- title: String

- firstName: String

- lastName: String

- email: String

- mobile: String

- address: String

- picture: byte[]

+ ContactEntity(): ContactEntity

+ ContactEntity(title: String, firstName: String, lastName: String email: String, phoneNum: String, address: String, picture: byte[]): ContactEntity

---

ContactMainController

- tableView: TableView<ContactEntity>

- firstColumn: TableColumn<ContactEntity, String>

- lastColumn: TableColumn<ContactEntity, String>

- editButton: Button

- deleteButton: Button

- searchField: TextField

- titleField: TextField

- firstNameField: TextField

- lastNameField: TextField

- emailField: TextField

- mobileField: TextField

- addressArea: TextArea

- pictureView: ImageView

- xOffset: double

- yOffset: double

+ initialize(location: URL, resources: ResourceBundle) : void

+ setData(): void

+ filterData(): void

- streamToFile(in: ByteArrayInputStream): File

+ renderPicture(picture: byte[]): Image

+ showDetails(contactEntity: ContactEntity): void

+ handleNew(event: ActionEvent): void

+ handleEdit(event: ActionEvent): void

+ handleDelete(event: ActionEvent): void

ContactAddController

- titleField: TextField

- firstNameField: TextField

- lastNameField: TextField

- emailField: TextField

- mobileField: TextField

- addressArea: TextArea

- pictureView: ImageView

- saveButton: Button

- fileChooser: FileChooser

- selectedFile: File

- bFile: byte[]

+ initialize(location: URL, resources: ResourceBundle) : void

+ fileChoosing(): void

+ handleBrowse(event: ActionEvent): void

+ handleSave(event: ActionEvent): void

+ save(): void

+ validateInput(): boolean

+ handleCancel(event: ActionEvent): void

+ handleMinimize(event: ActionEvent): void

+ handleExit(event: ActionEvent): void

ContactEditController

- titleField: TextField

- firstNameField: TextField

- lastNameField: TextField

- emailField: TextField

- mobileField: TextField

- addressArea: TextArea

- saveButton: Button

- contactEntity: ContactEntity

- personID: int

+ intialize(location: URL, resources: ResourceBundle): void

+ setPerson(contactEntity: ContactEntity, personID: int): void

+ setData(): void

+ handleSave(event: ActionEvent): void

+ save(): void

- validateInput(): boolean

+ handleCancel(event: ActionEvent): void

+ resetValues(): void

+ handleMinimize(event: ActionEvent): void

+ handleExit(event: ActionEvent): void

NoteEntity
implements Serializable

- title: String

- note: String

+ NoteEntity(): NoteEntity

+ NoteEntity(title: String, note: String): NoteEntity

NoteController

- tableView: TableView<NoteEntity>

- noteListCol: TableColumn<NoteEntity, String>

- titleField: TextField

- noteField: TextArea

- addButton: Button

- deleteButton: Button

- noteEntityList: ObservableList<NoteEntity>

+ initialize(location: URL, resources: ResourceBundle): void

+ handleAdd(event: ActionEvent): void

+ handleDelete(event: ActionEvent): void

+ handleClear(event: ActionEvent): void

+ showsDetails(noteEntity: NoteEntity): void

+ save(): void

+ load(): void

- validateInput(): boolean