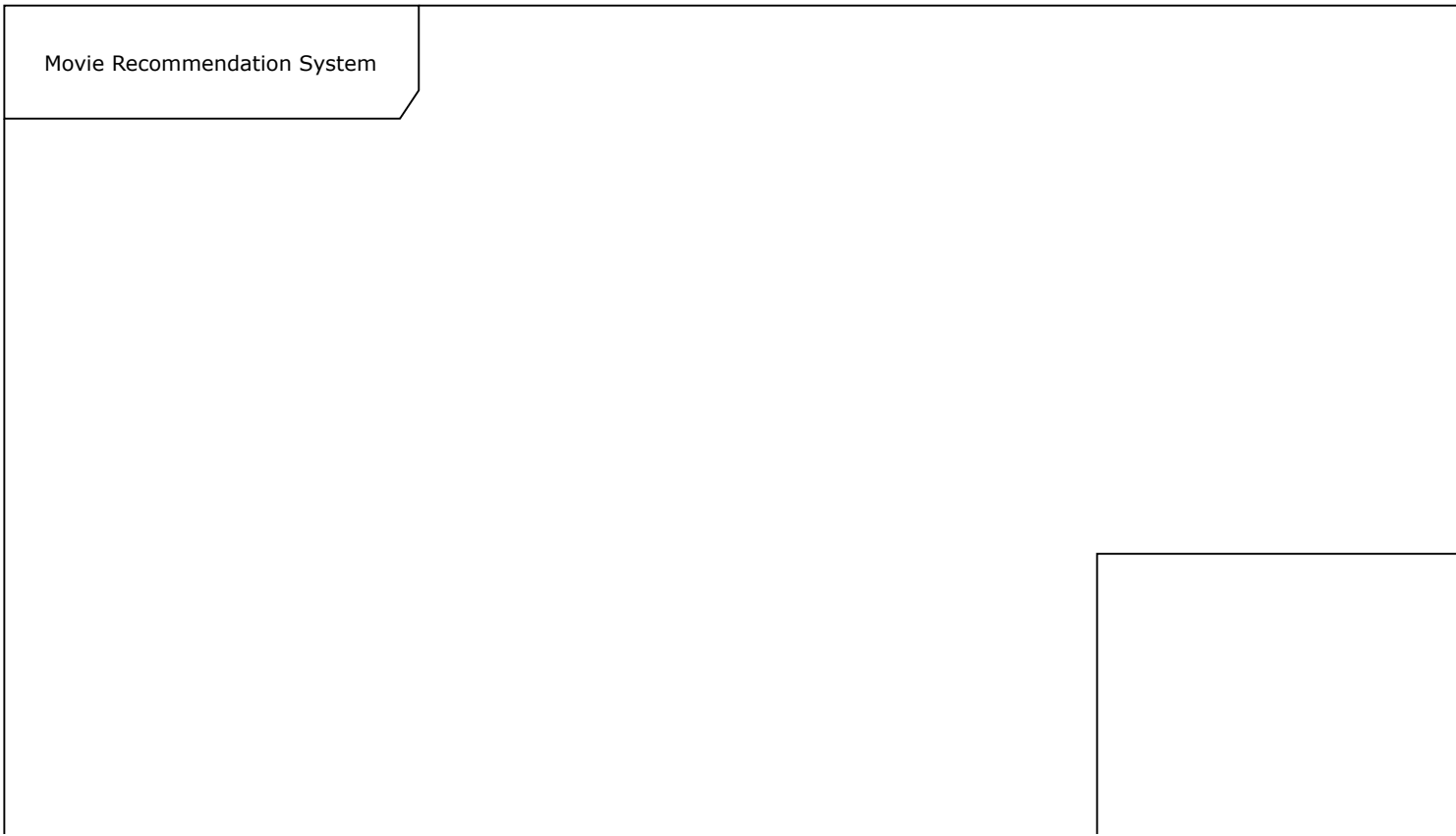
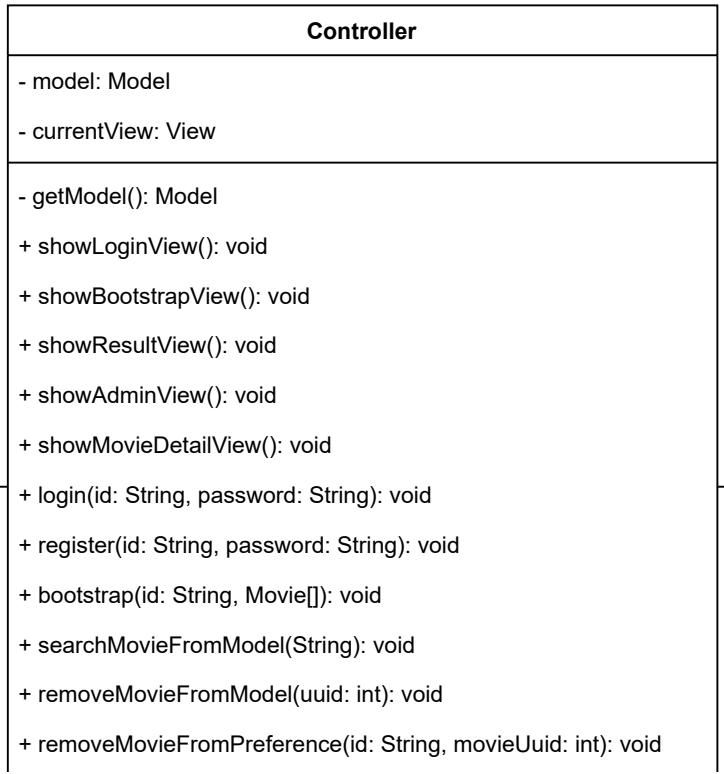
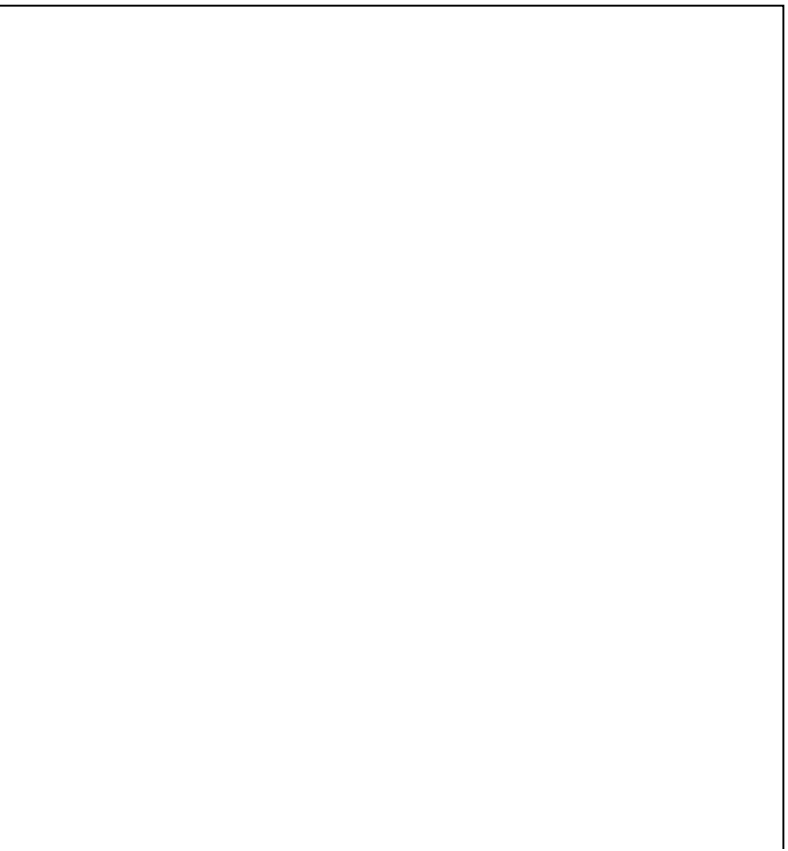
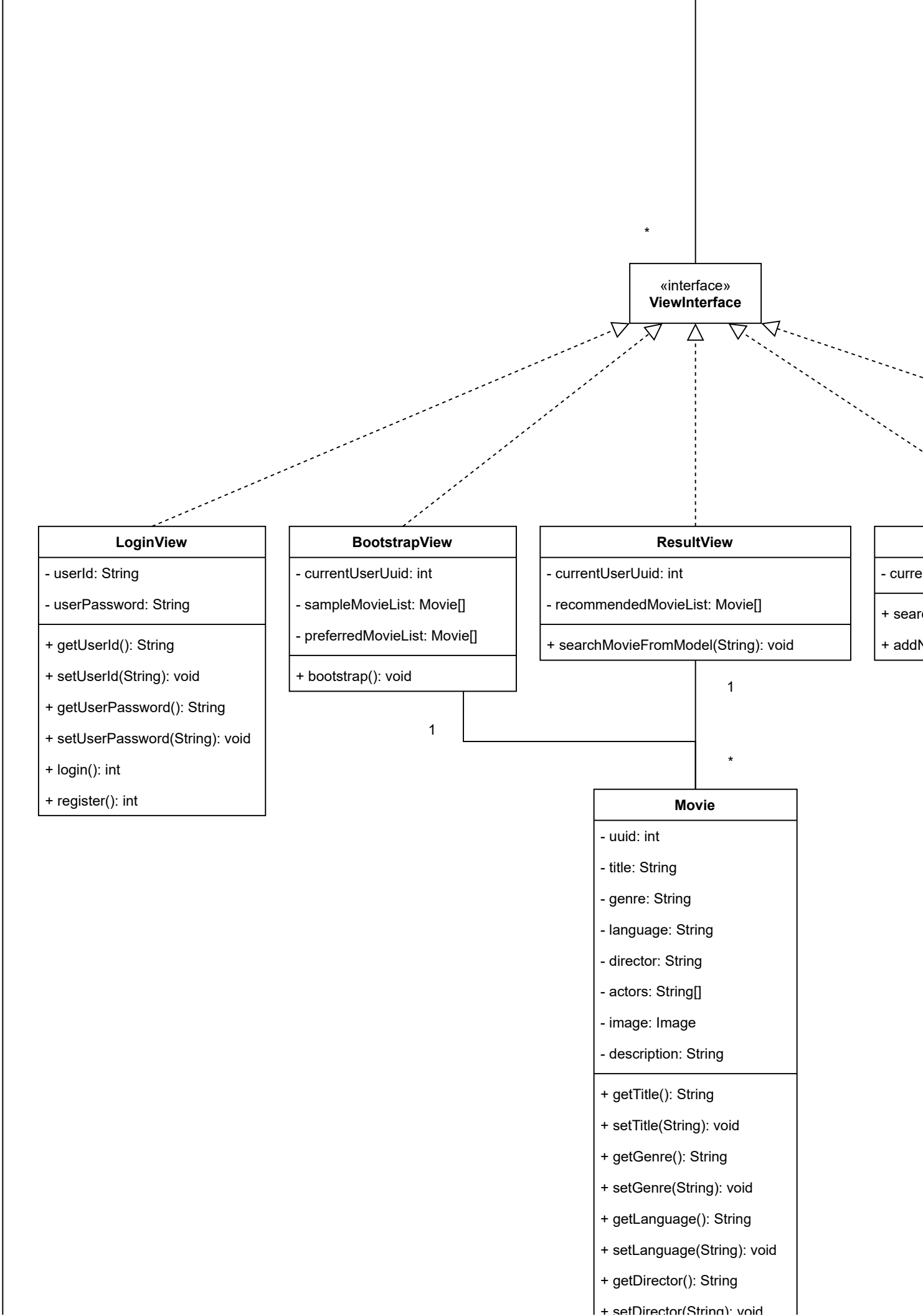
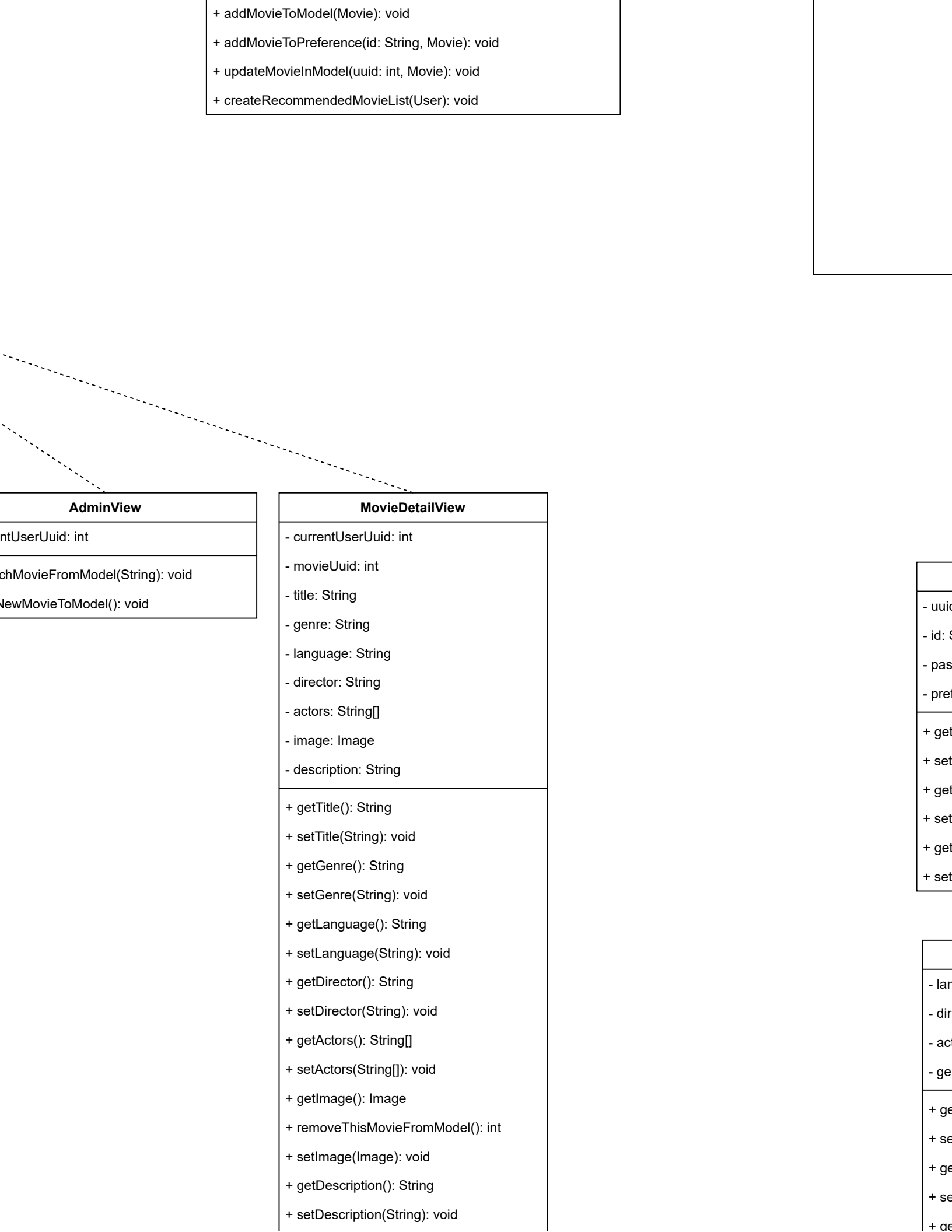
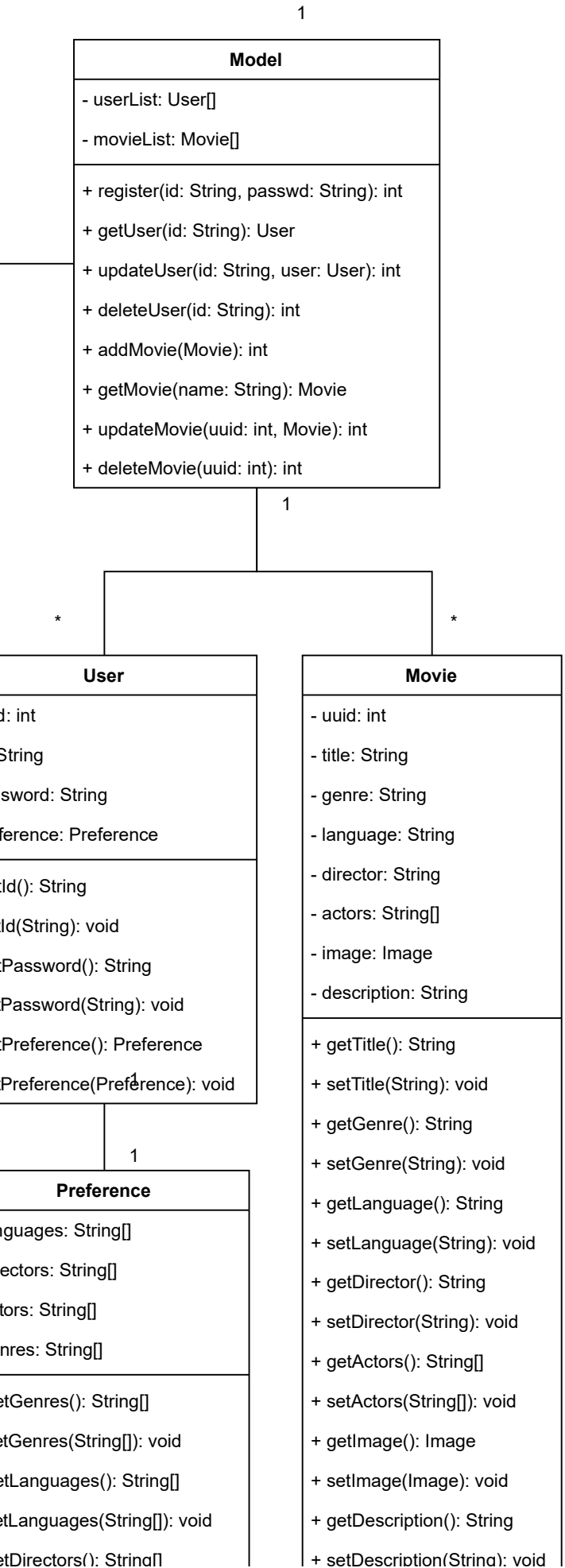

Movie Recommendation System


Controller
- model: Model
- currentView: View
- getModel(): Model
+ showLoginView(): void
+ showBootstrapView(): void
+ showResultView(): void
+ showAdminView(): void
+ showMovieDetailView(): void
+ login(id: String, password: String): void
+ register(id: String, password: String): void
+ bootstrap(id: String, Movie[]): void
+ searchMovieFromModel(String): void
+ removeMovieFromModel(uuid: int): void
+ removeMovieFromPreference(id: String, movieUuid: int): void
1
1




*
«interface»
ViewInterface
LoginView
- userId: String
- userPassword: String
+ getUserId(): String
+ setUserId(String): void
+ getUserPassword(): String
+ setUserPassword(String): void
+ login(): int
+ register(): int
BootstrapView
- currentUserUuid: int
- sampleMovieList: Movie[]
- preferredMovieList: Movie[]
+ bootstrap(): void
ResultView
- currentUserUuid: int
- recommendedMovieList: Movie[]
+ searchMovieFromModel(String): void
1
1
*
Movie
- uuid: int
- title: String
- genre: String
- language: String
- director: String
- actors: String[]
- image: Image
- description: String
+ getTitle(): String
+ setTitle(String): void
+ getGenre(): String
+ setGenre(String): void
+ getLanguage(): String
+ setLanguage(String): void
+ getDirector(): String


+ addMovieToModel(Movie): void
+ addMovieToPreference(id: String, Movie): void
+ updateMovieInModel(uuid: int, Movie): void
+ createRecommendedMovieList(User): void
AdminView
ntUserUuid: int
chMovieFromModel(String): void
NewMovieToModel(): void
MovieDetailView
- currentUserUuid: int
- movieUuid: int
- title: String
- genre: String
- language: String
- director: String
- actors: String[]
- image: Image
- description: String
+ getTitle(): String
+ setTitle(String): void
+ getGenre(): String
+ setGenre(String): void
+ getLanguage(): String
+ setLanguage(String): void
+ getDirector(): String
+ setDirector(String): void
+ getActors(): String[]
+ setActors(String[]): void
+ getImage(): Image
+ removeThisMovieFromModel(): int
+ setImage(Image): void
+ getDescription(): String
+ setDescription(String): void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Model
- userList: User[]
- movieList: Movie[]
+ register(id: String, passwd: String): int
+ getUser(id: String): User
+ updateUser(id: String, user: User): int
+ deleteUser(id: String): int
+ addMovie(Movie): int
+ getMovie(name: String): Movie
+ updateMovie(uuid: int, Movie): int
+ deleteMovie(uuid: int): int
1
*
*
User
d: int
String
sword: String
ference: Preference
Id(): String
Id(String): void
Password(): String
Password(String): void
Preference(): Preference
Preference(Preference): void
1
1
Preference
guages: String[]
ectors: String[]
tors: String[]
nres: String[]
etGenres(): String[]
etGenres(String[]): void
etLanguages(): String[]
etLanguages(String[]): void
etDirectors(): String[]
Movie
- uuid: int
- title: String
- genre: String
- language: String
- director: String
- actors: String[]
- image: Image
- description: String
+ getTitle(): String
+ setTitle(String): void
+ getGenre(): String
+ setGenre(String): void
+ getLanguage(): String
+ setLanguage(String): void
+ getDirector(): String
+ setDirector(String): void
+ getActors(): String[]
+ setActors(String[]): void
+ getImage(): Image
+ setImage(Image): void
+ getDescription(): String
+ setDescription(String): void

+ setDirector(String): void
+ getActors(): String[]
+ setActors(String[]): void
+ getImage(): Image
+ setImage(Image): void
+ getDescription(): String
+ setDescription(String): void

+ removeThisMovieFromPreference(): int

+ addThisMovieToModel(): int

+ addThisMovieToPreference(): int

+ updateThisMovieInModel(): int

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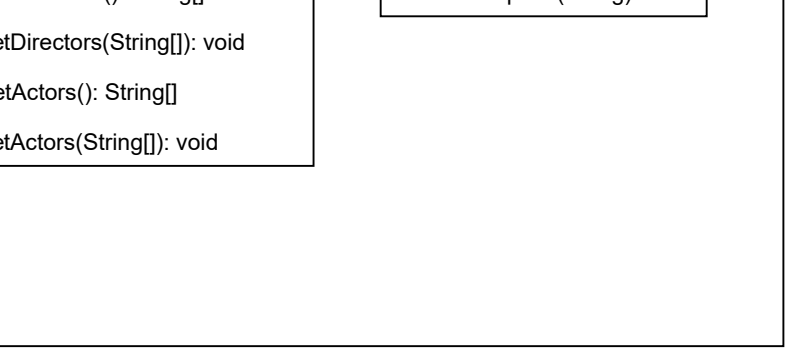
etDirectors(String[]): void
etActors(): String[]
etActors(String[]): void