

addItems() method will output String with following header format  
Branch: Javng East  
Number of crates: 3

Mainline class initializes list of Complex and Movie from text file and store them in two separate arrays.  
All operations (admin, staff and customer) actions are done through this class's main method.

```
Complex
number: String
number_of_crates: int
+ComplexLocation(String, number_of_crates: int)
+getComplexLocation(): String
+getNumberofCrates(): int
+addItems(): String
```

```
Crates
crates_code: String
crates_name: String
number_of_crate: int
number_of_columns: int
+CratesLocation(String, crates_code: String, number_of_crate: int, number_of_columns: int)
+getCratesLocation(): String
+getCratesCode(): String
+getCratesCapacity(): int
+getCratesCapacity(): void
+addItems(): String
+addItemsOfCrates(): int
+getNumberofCrates(): int
```

Only allow access to all methods if user's status == "Full"  
Each method should include its own @SuppressWarnings  
Displays prompt for login:  
Please enter password to access staff function  
addMovie() creates new Movie object and save into movie text file  
addMovieStatus() updates the movie text file  
addSpecialData() creates new SpecialData object and saves it into special data text file  
addSpecialData() updates or deletes entries in special data text file  
addSpecialPrice() updates entries in price text file

```
Complex
number: String
number_of_crates: int
+ComplexLocation(String, number_of_crates: int)
+getComplexLocation(): String
+getNumberofCrates(): int
+addItems(): String
```

```
SpecialData
year: int
month: int
day: int
discount: double
network: String
+SpecialData(String, year: int, month: int, day: int, discount: double, network: String)
+getYear(): int
+getMonth(): int
+getDay(): int
+getDiscount(): double
+getNetwork(): String
```

```
Transaction
add_price: double
delete_price: double
insert_price: double
delete_charge: double
+Transaction(String record)
+getYear(): double
+getMonth(): double
+getDay(): double
+getPrice(): double
+getCharge(): double
+getYearMonthDayPriceCharge(): double
+getYearMonthDayPriceCharge(): void
+getYearMonthDayPriceCharge(): void
+getYearMonthDayPriceCharge(): void
+getYearMonthDayPriceCharge(): void
+getYearMonthDayPriceCharge(): void
```

```
ShowTime
year: int
month: int
day: int
start_time: int
end_time: int
movie_name: String
cinema_location: String
cinema_code: String
movie_id: int
purchase_id: int
purchase_date: int
purchase_time: int
+ShowTime(String, year: int, month: int, day: int, start_time: int, end_time: int, movie_name: String, cinema_location: String, cinema_code: String, movie_id: int)
+getYear(): int
+getMonth(): int
+getDay(): int
+getStartTime(): int
+getEndTime(): int
+getMovieName(): String
+getCinemaLocation(): String
+getCinemaCode(): String
+getMovieId(): int
+getPurchaseId(): int
+getPurchaseDate(): int
+getPurchaseTime(): int
```

viewer at 10 position maps to 10th position of comments and ratings

```
Movie
movie_name: String
year: int
month: int
day: int
start_time: int
end_time: int
movie_id: int
cinema_location: String
cinema_code: String
movie_id: int
purchase_id: int
purchase_date: int
purchase_time: int
+Movie(String, year: int, month: int, day: int, start_time: int, end_time: int, movie_id: int, cinema_location: String, cinema_code: String, movie_id: int, purchase_id: int, purchase_date: int, purchase_time: int)
+getYear(): int
+getMonth(): int
+getDay(): int
+getStartTime(): int
+getEndTime(): int
+getMovieName(): String
+getCinemaLocation(): String
+getCinemaCode(): String
+getMovieId(): int
+getPurchaseId(): int
+getPurchaseDate(): int
+getPurchaseTime(): int
```

```
Transaction
year: int
month: int
day: int
start_time: int
end_time: int
movie_name: String
cinema_location: String
cinema_code: String
movie_id: int
purchase_id: int
purchase_date: int
purchase_time: int
+Transaction(String, year: int, month: int, day: int, start_time: int, end_time: int, movie_name: String, cinema_location: String, cinema_code: String, movie_id: int, purchase_id: int, purchase_date: int, purchase_time: int)
+getYear(): int
+getMonth(): int
+getDay(): int
+getStartTime(): int
+getEndTime(): int
+getMovieName(): String
+getCinemaLocation(): String
+getCinemaCode(): String
+getMovieId(): int
+getPurchaseId(): int
+getPurchaseDate(): int
+getPurchaseTime(): int
```

```
Customer
+Customer(String, year: int, month: int, day: int, start_time: int, end_time: int, movie_name: String, cinema_location: String, cinema_code: String, movie_id: int, purchase_id: int, purchase_date: int, purchase_time: int)
+getYear(): int
+getMonth(): int
+getDay(): int
+getStartTime(): int
+getEndTime(): int
+getMovieName(): String
+getCinemaLocation(): String
+getCinemaCode(): String
+getMovieId(): int
+getPurchaseId(): int
+getPurchaseDate(): int
+getPurchaseTime(): int
```

```
Review
movie_name: String
year: int
month: int
day: int
start_time: int
end_time: int
movie_id: int
cinema_location: String
cinema_code: String
movie_id: int
purchase_id: int
purchase_date: int
purchase_time: int
+Review(String, movie_name: String, year: int, month: int, day: int, start_time: int, end_time: int, movie_id: int, cinema_location: String, cinema_code: String, movie_id: int, purchase_id: int, purchase_date: int, purchase_time: int)
+getYear(): int
+getMonth(): int
+getDay(): int
+getStartTime(): int
+getEndTime(): int
+getMovieName(): String
+getCinemaLocation(): String
+getCinemaCode(): String
+getMovieId(): int
+getPurchaseId(): int
+getPurchaseDate(): int
+getPurchaseTime(): int
```

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