1. This is a ticket search and booking system. It is a simple console-based movie search and booking system for a Cineplex theatres. Since it is a console-based system, no GUI (graphical user interface) components are required. - 这是给电影院工作人员操作的订票系统
2. All the data will be stored in a file - no database is involved. It will be called jMoSS (Java-based Movie Search System). The following details are available:
3. 电影院的信息: - dummy data，也就是电影名称和电影院的名称如下:

- There are cinema theatres in five different locations namely- St Kilda, Fitzroy, Bourne, Sunshine and Lilydale. All the cinema theatres are called 'Movie Plaza theatre'. - 电影院的名称和电影院的位置
- Each theatre runs five shows every day. Each Cineplex has only one theatre and with only 20 seats - 每天有5场电影，每一个电影院只有20个座位。
- 具体电影的名称和在屏幕上的信息显示请参考下图:

```
************Menu***************
Please select the movie session
1 : Faust on 9:00 am on 20/4
2 : Carmen on 11:30 am on 19/4
3 : Othello on 2:30 pm on 17/4
4 : Turandot on 5:00 pm on 18/4
5 : Camellia on 7:00 pm on 16/4
Please input your choice:
```

4. 系统的用户: 电影院负责订票的工作人员

系统的所有功能要求:

1. **Login**: Booking clerk will need a username and a password to login before they can use jMOSS. Booking clerk can log in the Movie Search System so that they can access booking page in this system.The username and password will be stored in a text file. There is no need a function for registration and must have some dummy data of user name and password pre-stored in a text file. When user, which is the booking clerk log in the system, it will directly read the user name and password from the text file.
2. **Display the list of cineplex theatres and the corresponding movie sessions:** The system should be able to display the list of cineplex theatres and the corresponding movie sessions for the whole week, which means booking clerk can see the list of cineplex theatres for the whole week so that I can know which cineplex theatre is available for each movie. And also booking clerk can see the list of corresponding movie sessions for the whole week so that they can know which movie is available to each cineplex.
3. **Book and Delete Function:** Clerk will be able to book and delete for a movie session (or multiple movie sessions). Edit feature is not required, which means booking clerk will be able to book for a movie session or multiple movie sessions in one theater so that they can make booking for one or more movies. And also booking clerk can be able to delete for a movie session or multiple movie sessions so that they can cancel booking for one or more movies.
4. **Collect the customer's email and suburb Function**: Booking clerk will be able to collect the customer's email and suburb during the ticket booking session. Example for suburb will be four digital numbers and it will last from 3001 - 3020. suburb 不是座位号，座位一共有20个，在上面的系统介绍里有写。
5. **Searching Function**: Booking clerk can search via a movie OR a cineplex so that they can have this two searching options to get the movie availability information. A search feature to search via a movie OR a cineplex must be implemented.

6. **Searching Function:** Booking clerk can search based on customer's email to track the one or more tickets purchased by the customer so that they can find out the details of the ticket(s) purchased by a customer. This search feature will be extended in future to support more features. At this stage, it is just a simple search to find out the details of the ticket(s) purchased by a customer.
7. **Confirm the booking Function:** Booking clerk can confirm the bookings information via a simple"Yes/No" confirmation when creating or deleting bookings so that they can make sure if booking is confirmed. Credit card payment processing is not required- only a simple "Yes/No" confirmation is required when creating/ deleting bookings.
8. **Log out Function**: Upon exiting the system makes a beep alert. Booking Clerk can exit the system via making a beep alert so that they can confirm they have exit the system successfully.

重要信息：
数据库：TXT 文件。这个文件用来储存系统的信息。
系统不需要注册的功能，他们的用户名和密码是Hard code 在TXT文件里就可以了。
开发方法：Scrum in Agile
开发语言：Java。 运行环境：苹果系统电脑和微软系统电脑上的Eclipse
Spring的数量：这个系统的开发设计是一共有3个Spring, 每一个Spring的结束都会有一个可交付产品，英文名是 "Potentially Shippable Product"。
交付产品的数量：所以交付产品的数量也是一共3个，会把以上总系统的所有功能都分成3个"Potentially Shippable Product",每个Potentially Shippable Product需要保存在一个文件夹里，一共是3个主文件夹，用来保存每一Spring的开发内容。每个Potentially Shippable Product是所有功能里面某几个小功能的实现。3个文件夹加起来是有系统的所有功能的总和。
Potentially Shippable Product的意思："Whatever produce at the end of the sprint, keep those files separate in a directory and when starting the new sprint, make a copy of those files and work on the new set of copied files ie. **DO NOT overwrite the set of files from the earlier sprint. If do so, there will be no proof of what have produced at the end of the sprint.**" 我的理解是Spring 1 的代码文件结束了之后，把Spring 1的代码文件保存在一个文件夹，命名为Spring 1 Potentially Shippable Product里。然后复制这些代码文件到第二个文件夹 - Spring 2 Potentially Shippable Product里。Spring 2的功能开发就在Spring 2 Potentially Shippable Product 的文件夹里面的代码文件进行开发。Spring 2 的代码文件结束了之后，把Spring 2的代码文件保存在第二个文件夹 - Spring 2 Potentially Shippable Product里。然后复制这些代码文件到第三个新的文件夹 - Spring 3 Potentially Shippable Product里。Spring 3的功能开发就在Spring 3 Potentially Shippable Product 的文件夹里面的代码文件进行开发。直到Spring 3结束，把Spring 3的代码文件保存在第三个文件夹 - Spring 3 Potentially Shippable Product里。

3个Spring的安排：

Spring 1：

1. The booking clerk will have an identifier or user ID so that they can log into Movie Search System. 注意这个和 Spring 2的第一点有不同之处。
2. The booking clerk can log in the Movie Search System so that they can access booking page in this system.
3. The booking clerk can see the list of corresponding movie sessions for the whole week so that they can know which movie is available to each cineplex.
4. The booking clerk can see the list of cineplex theatres for the whole week so that they can know which cineplex theatre is available for each movie.
5. There is a creation of burndown chart for each of the sprint.
6. There is a bug tracking for each of the sprint.

Spring 2：

1. The booking clerk can have a username and a password to login so that they can access to use jMOSS. 注意这个和 Spring 1的第一点有不同之处。是Spring 1 第一点的改变。
2. The booking clerk is able to search via a movie OR a cineplex so that they can have this two searching options to get the movie availability information.
3. The booking clerk is able able to book for a movie session or multiple movie sessions in one theater so that they can make booking for one or more movies.
4. The booking clerk is able to delete for a movie session or multiple movie sessions so that they can cancel booking for one or more movies.
5. The booking clerk is able to collect the customer's email and suburb during the ticket booking session.

6. The booking clerk can confirm the bookings information via a simple"Yes/No" confirmation when creating or deleting bookings so that they can make sure if booking is confirmed.
7. The booking clerk can exit the system via making a beep alert so that they can confirm they have exit the system successfully.
8. There is a creation of burndown chart for each of the sprint.
9. There is a bug tracking for each of the sprint.

Spring 3:

1. The booking clerk will have a search feature which is searching based on customer's email to track the one or more tickets purchased by the customer so that they can find out the details of the ticket(s) purchased by a customer.
2. There is a creation of burndown chart for each of the sprint.
3. There is a bug tracking for each of the sprint.