User

Superclass :	
Subclass :	

Responsibilities	Collaborating Classes
Stores name of user Stores ID of user	

Login

Superclass :	
Subclass :	

Responsibilities	
Authenticate ID	

Room

Superclass :	
Subclass :	

Responsibilities	Collaborating Classes
Stores room no. Stores capacity of a room Stores projector option for a room Stores status of a room	

Cab	
Superclass :	
Subclass :	
Responsibilities	Collaborating Classes
Stores cab no. Stores cab driver name Stores cab type Stores capacity of a cab Stores status of a cab	

Book <>	
Superclass :	
Subclass : RoomBook , CabBook	
Responsibilities	Collaborating Classes
Check for validity of ID Provide option for selecting a time slot Cancel booking Provide option to check the status of booking	User RoomDatabase CabDatabase

RoomBook	
Superclass : Book	
Subclass :	
Responsibilities	Collaborating Classes
Give options for selecting room requirements Output list of available rooms based on requirements	User Book Room RoomDatabase

CabBook <>	
Superclass : Book	
Subclass : CabBookDistanceBased, CabBookTimeBased, CabBookDestinationBased	
Responsibilities	Collaborating Classes
Gives options to select basis of booking a cab	Book

CabBookDistanceBased

Superclass : CabBook
Subclass :

Responsibilities	Collaborating Classes
Gives options for selecting cab requirements	User
Provides option to input distance	Cab
output fare	CabBook
Output list of available rooms based on requirements	CabDatabase

CabBookTimeBased

Superclass : CabBook
Subclass :

Responsibilities	Collaborating Classes
Gives options for selecting requirements	User
Provides option to take time input	Cab
output fare	CabBook
Output list of available rooms based on requirements	CabDatabase

CabBookDestinationBased	
Superclass : CabBook	
Subclass :	
Responsibilities	**Collaborating Classes**
Gives options for selecting requirements	User
Provides option to select destination	Cab
output fare	CabBook
Output list of available rooms based on requirements	CabDatabase

RoomDatabase	
Superclass :	
Subclass :	
Responsibilities	**Collaborating Classes**
	User
Stores all the room booking details in a file	RoomBook
	Room

CabDatabase	
Superclass :	
Subclass :	

Responsibilities	Collaborating Classes
Stores all the cab booking details in a file	User CabBook CabBookDistanceBased CabBookTimeBased CabBookDestinationBased Cab

Driver	
Superclass :	
Subclass :	

Responsibilities	Collaborating Classes
Gives options to choose cab or room booking Gives login options (admin/user)	Roombook CabBook