

CSE 343 – Software Engineering

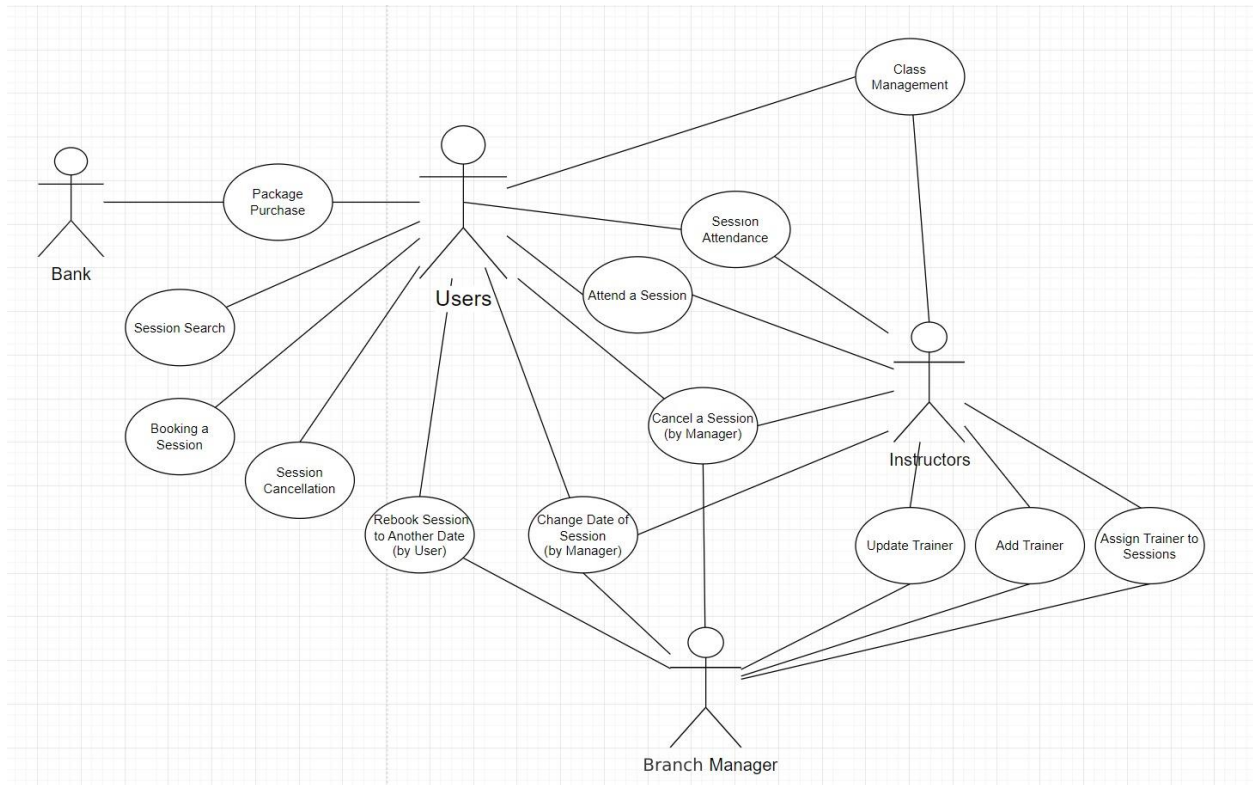
Homework 1

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Diagram



Use Cases

System	MinFit
Use Case	Package Purchase
Actors	Bank, User
Data	Credit card, user credentials
Stimulus	User initiates buying a package
Response	If bank accepts the card, add package to user If not don't
Comments	

System	MinFit
Use Case	Session Search
Actors	User, server
Data	Sessions List Database
Stimulus	User searches a session
Response	Show sessions fitting the criteria set by the user
Comments	

System	MinFit
Use Case	Booking a Session
Actors	User
Data	User sessions list, specific session's metadata
Stimulus	User books a session
Response	If enough spaces, accept user's booking If not, don't accept.
Comments	

System	MinFit
Use Case	Session Cancellation
Actors	User, server
Data	User sessions list, sessions database
Stimulus	User cancels a session
Response	If within appropriate time-frame, cancelling a session and refunding one credit. If not, warn the user.
Comments	

System	MinFit
Use Case	Rebook Session to Another Date (by User)
Actors	User, Instructors, Branch Manager
Data	User's session data, sessions database
Stimulus	User requests a session date change
Response	If manager approves, accept changes If manager doesn't, don't change anything
Comments	

System	MinFit
Use Case	Change Date of Session (by Manager)
Actors	User, Instructor, Branch Manager
Data	User's session data, sessions database
Stimulus	Manager decides to cancel a session
Response	Session's date is rescheduled
Comments	

System	MinFit
Use Case	Cancel A Session (By Manager)
Actors	User, Instructor, Branch Manager
Data	Session database
Stimulus	Manager decides to cancel a session
Response	The session is cancelled
Comments	

System	MinFit
Use Case	Attend a Session
Actors	Users, Instructors
Data	User's session list, sessions database, instructor's session list
Stimulus	User attends a previously scheduled session
Response	Attendance is accepted
Comments	

System	MinFit
Use Case	Session Attendance
Actors	Users, Instructors
Data	User's session list, instructor's session list
Stimulus	Instructor requests everyone to read the QR code
Response	If valid QR and user, attendance is accepted If not, nothing is done.
Comments	

System	MinFit
Use Case	Class Management
Actors	Users, Instructors
Data	User's session data, instructor's sessions data,
Stimulus	Instructor goes to instructor management
Response	Instructor interacts with users
Comments	

System	MinFit
Use Case	Update Trainer
Actors	Instructor, Branch Manager
Data	Instructor list
Stimulus	Add Trainer
Response	
Comments	

System	MinFit
Use Case	Assign Trainer to Sessions
Actors	Instructor, Branch Manager
Data	Sessions list and its metadata, instructors list
Stimulus	Manager decides to assign a trainer to a session
Response	The trainer is assigned to the session
Comments	

System	MinFit
Use Case	Add Trainer
Actors	Instructors, Branch Manager
Data	Instructors list
Stimulus	Manager decides to add a newly contracted trainer
Response	The trainer is added to the database
Comments	