

Stakeholders and Their Roles

- **Company Director**

1. Login to system
2. Add/Remove Branch/Branch worker/Driver/Host
3. Check scheduled trips by branches
4. Accept/Decline trips offered by branches

- **Branch Worker**

1. Login to system
2. Sell ticket in branch, record sellings to the system
3. Offer trip ideas to company director
4. Assign trip to driver/host, choose appropriate coach

- **Driver**

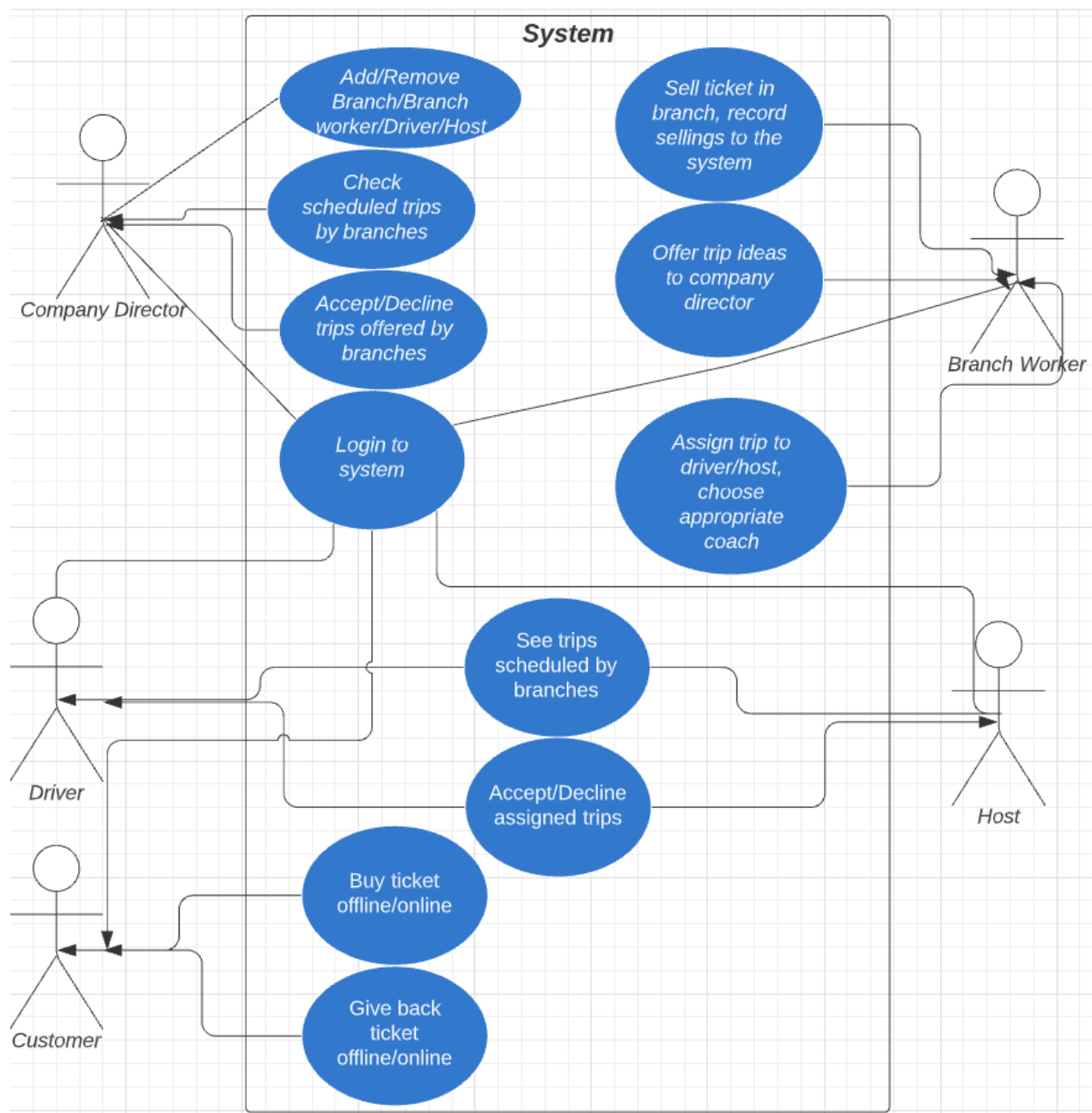
1. Login to system
2. See trips scheduled by branches
3. Accept/Decline assigned trips

- **Host**

1. Login to system
2. See trips scheduled by branches
3. Accept/Decline assigned trips

- **Customer**

1. Login to system
2. Buy ticket offline/online
3. Give back ticket offline/online



System	Human Transformation System for Halil Koç Inc.
Use Case	Login to system
Actors	Company Director, Branch Worker, Driver, Host, Customer, Human Transformation System for Halil Koç Inc.
Data	Google account is sufficient to login to system. When company director adds a person to system, his/her password is given to him/her. Any other person logs in to the system as a customer.
Stimulus	Anyone tries logging in to the system
Response	If the Google account is in the system already, its position is clear. If system does not have the account, he/she is a customer.
Comments	Login operation can be executed anytime when someone tries logging in to the system.

System	Human Transformation System for Halil Koç Inc.
Use Case	Add/Remove Branch worker/Driver/Host
Actors	Company Director, Human Transformation System for Halil Koç Inc.
Data	When company director do any adding or removing operation, system sends data of the operation to the concerned person. If it is adding employee operation, password of the new user is sent to the added employee.
Stimulus	Company director has the authority. Whenever company director wants, adding removing operation can be done.
Response	If the selected employee/branch exist in the system, operation must be succesful
Comments	Adding employee and branch can not be accomplished by this system. This operation is needed to record the real life activities to the system.

System	Human Transformation System for Halil Koç Inc.
Use Case	Check scheduled trips by branches
Actors	Company Director, Human Transformation System for Halil Koç Inc.
Data	Human Transformation System sends a summary of the trips data to the company director.
Stimulus	Company director can see the offered and scheduled trips when he/she wants.
Response	System should show trips data to the the company director whenever he/she wants.
Comments	Trips data describes the trip route, branch/branch worker in charge of the trip, driver, couch, host and number of passengers.

System	Human Transformation System for Halil Koç Inc.
Use Case	Accept/Decline trips offered by branches
Actors	Company Director, Human Transformation System for Halil Koç Inc.
Data	Trips offered by the branch worker should show the trip route, driver, host, couch and the number of potential passengers for the trip.
Stimulus	Company director can see the offered trips when he/she wants.
Response	According to data given, company director accepts or declines it.
Comments	When the company director accepts it and the trip does not get expected attention, branch worker has the all responsibilty. Additionally, branch worker does not come up with trip offers at all, it is not a good impression too.

System	Human Transformation System for Halil Koç Inc.
Use Case	Sell ticket in branch, record sellings to the system
Actors	Branch worker, customer, Human Transformation System for Halil Koç Inc.
Data	When the customer buys a ticket from branch, branch worker saves this activity to the system. Customer name, surname, ticket number and seat number are part of saved data.
Stimulus	When the branch worker gives information needed to the system, selling ticket operation is done.
Response	Sold ticket is recorded to the system. Trip time, route and couch information is given to the customer.
Comments	Branch director should keep system up to date because if selling offline operation is not saved to the system immediatly, online customers can buy the same ticket.

System	Human Transformation System for Halil Koç Inc.
Use Case	Offer trip ideas to company director
Actors	Branch worker, system, company director
Data	According to request which comes from customers, branch worker can offer trip ideas to the company director. Sent data from branch worker to company director can include; trip route, number of stopping places, potential number of customers. If company director can see the trip beneficial, he/she can accept it.
Stimulus	If some non-exit trip is requested from sufficient number of customers, branch worker offers it to company manager.
Response	The summarized data is sent to the company director.
Comments	Based on requests from customers, number of trip offers may differ.

System	Human Transformation System for Halil Koç Inc.
Use Case	Assign trip to driver/host, choose appropriate coach
Actors	Branch worker, driver, host, Human Transformation System
Data	Branch worker selects the driver, host and coach for the trip. Selected coach, trip route, host info for driver, driver info for host, are parts of sent data.
Stimulus	When the company director accepts the trip idea, branch worker assigns the trip to driver and host.
Response	Assigned trip data is sent to the driver and host.
Comments	In addition to the accepted new trips, repetitive trips can be assigned too.

System	Human Transformation System for Halil Koç Inc.
Use Case	Accept/Decline assigned trips
Actors	Driver, Host, Human Transformation System, Branch worker
Data	Selected coach, trip route, host info for driver, driver info for host, are parts of received data.
Stimulus	When branch worker assigns trip to driver or host, they can see the assigned trip in the system.
Response	The data which includes response of driver or host, saved to the system.
Comments	Branch worker can see the response of driver/host.

System	Human Transformation System for Halil Koç Inc.
Use Case	See trips scheduled by branches
Actors	Driver, Host, Human Transformation System
Data	Accepted trips can be seen by driver/host. Selected coach, trip route, host info for driver, driver info for host, number of passengers, stopping places are parts of trip data.
Stimulus	When driver/host logs in to the system, scheduled trips can be seen.
Response	Scheduled trips is shown to the driver/host.
Comments	Trip times can not overlap. One of the trips must be selected.

System	Human Transformation System for Halil Koç Inc.
Use Case	Buy ticket offline/online
Actors	Customer, Branch worker, Driver, Host, Human Transformation System
Data	All trips scheduled are shown to the customer. If the customer asks for specific trip, it can be checked on system. According to feedback, customer may buy the ticket.
Stimulus	Customer requests the trip data, if wanted trip exists it can be bought.
Response	If buying operation is completed, ticket and customer data is saved to the system.
Comments	Customer can see bought tickets.

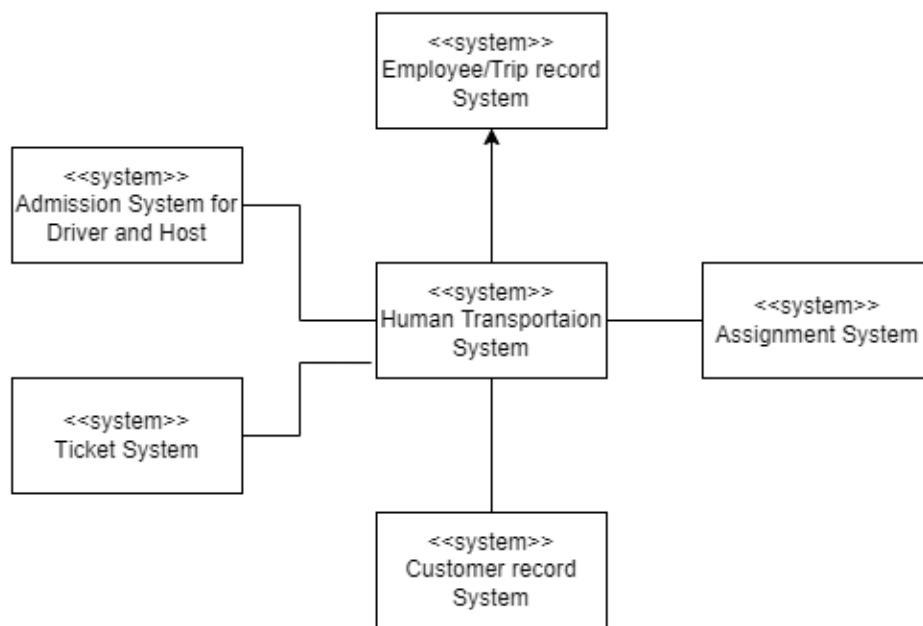
System	Human Transformation System for Halil Koç Inc.
Use Case	Give back ticket offline/online
Actors	Customer, Branch worker, Human Transformation System
Data	Customers can see bought tickets. And if there is a sufficient time to trip, they can give back the tickets. Data of ticket given back and customer data is sent to the system. Branch worker accepts given back tickets and records them to the system.
Stimulus	If customer wants to give back the ticket, it is taken back.
Response	The taken back ticket data is sent to the system.
Comments	If the trip time is too much close, system may not be accept to take back the ticket.

Challenges:

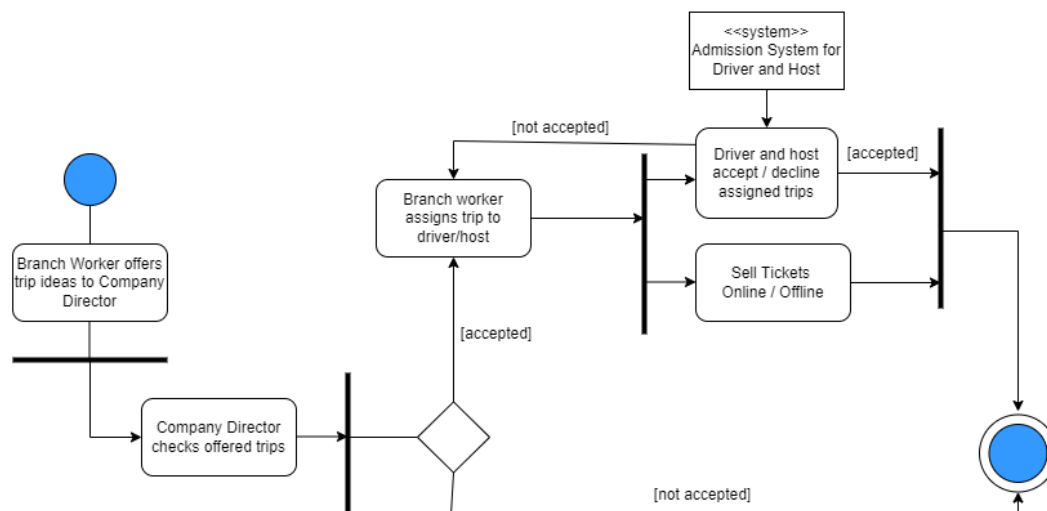
When I extracting use cases, I tried to add only necessary use cases. Because of my lack of knowledge about human transportation systems, I spend a considerable amount of time to decide which of them are needed and which of them are not.

Another challenge I have faced is deciding which employee should have authority to do which operations and deciding whether they need to have a declining option for assigned jobs. And I decided that excuses should be considered by the system.

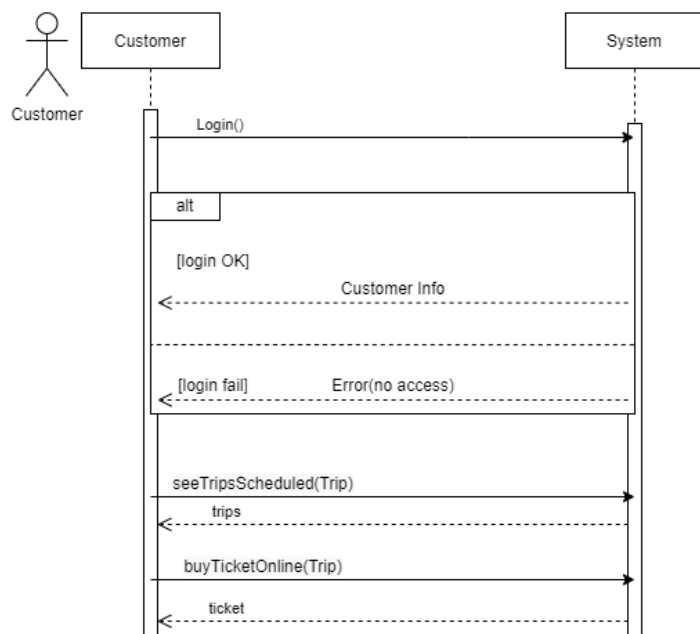
Context Diagram:

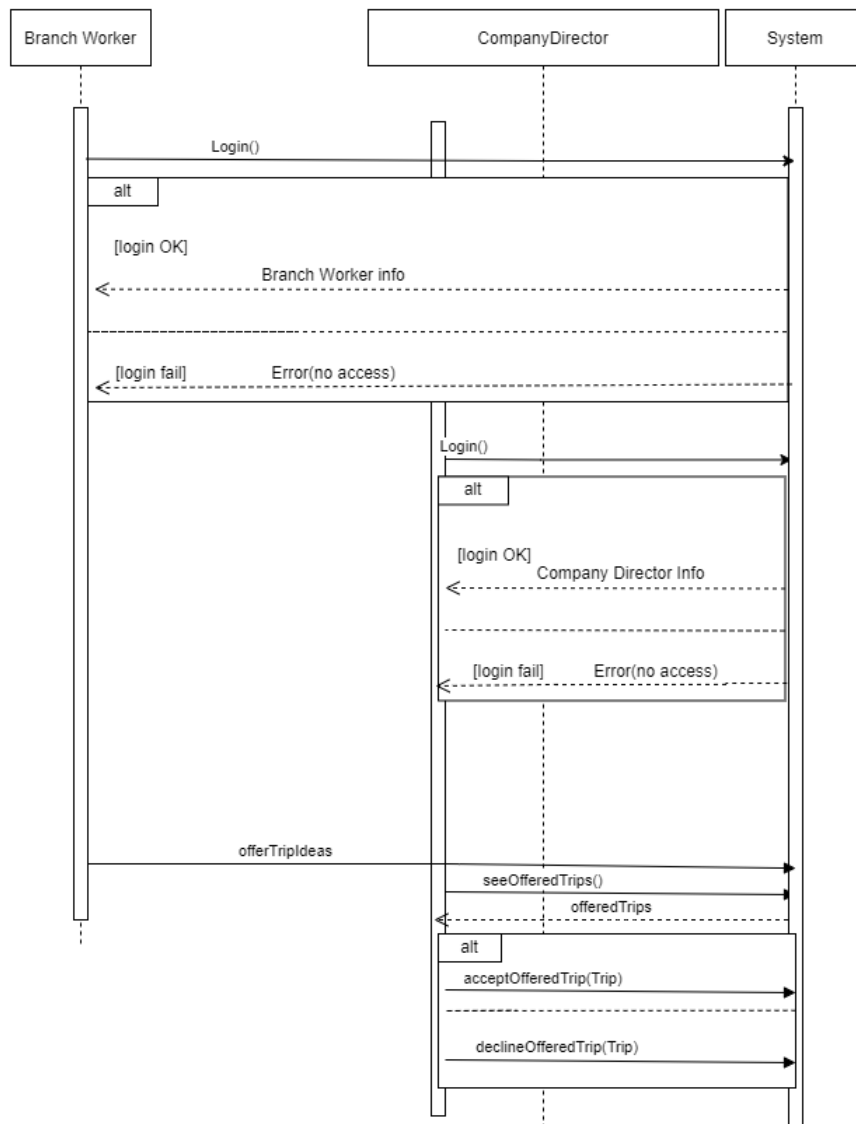


Process Model:



Sequence Diagram:





Class Diagram:

