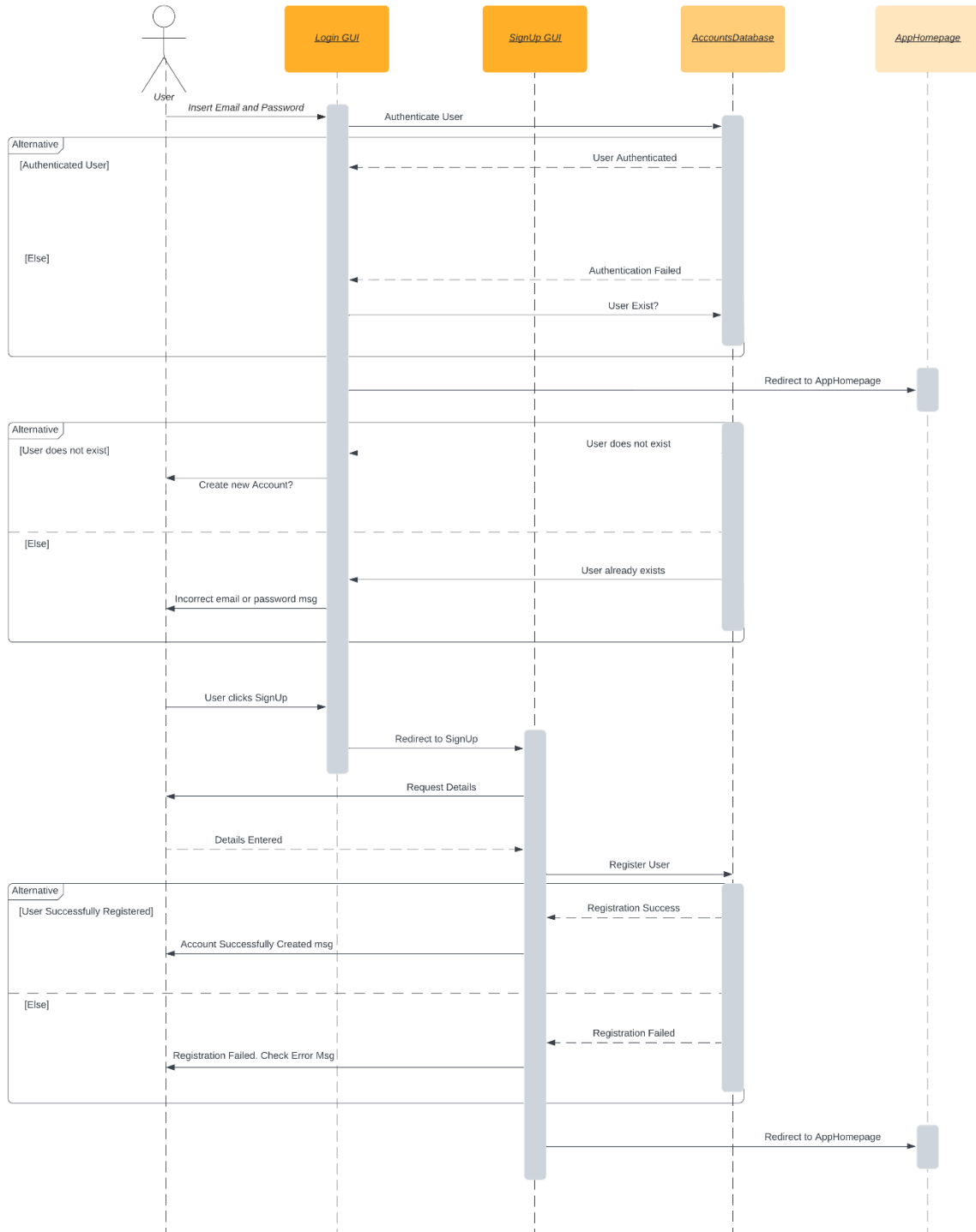


## Login/Signup Analysis Sequence Diagram

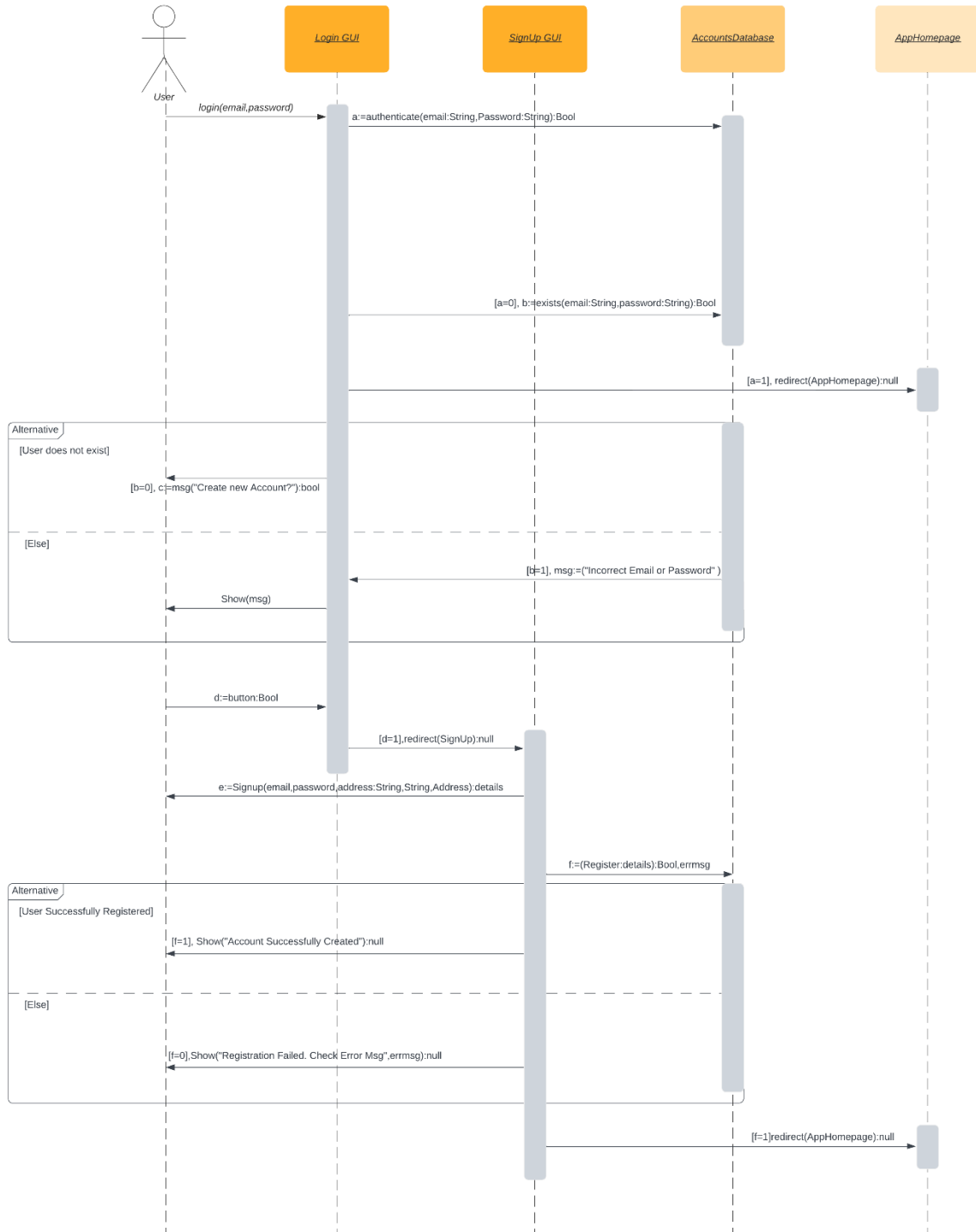
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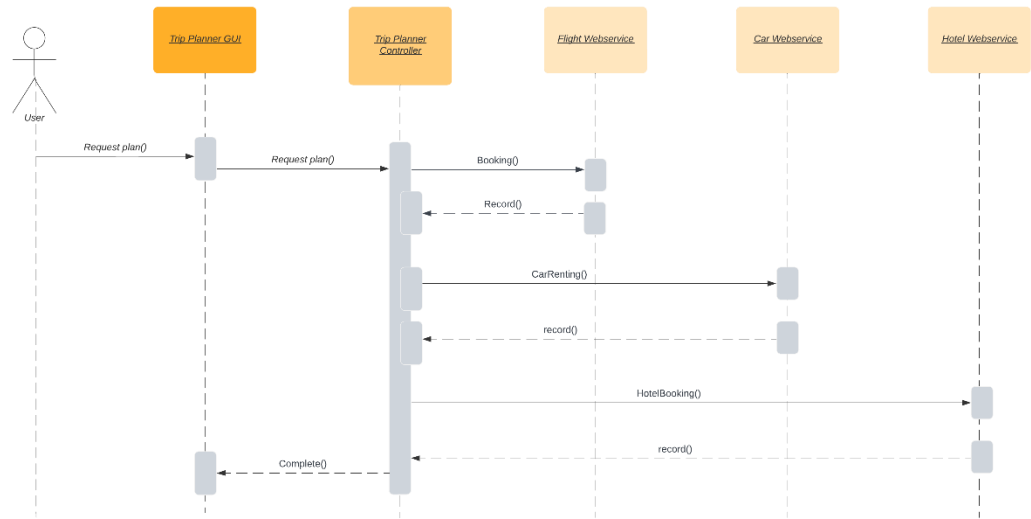
	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1)	User	Inputs	email,password	Login GUI
1.1)	Login GUI	Authenticates	email,password	AccountsDatabase
1.2)	AccountsDatabase	returns	Account a	Login GUI
1.3)	if Account in AccountsDatabase (a!=null)			
1.3.1)	if Account Authentication Successful			
1.3.1.1)	Login GUI	redirects		AppHomepage
1.3.2)	Else			
1.3.2.1)	AccountsDatabase	returns	msg:="Incorrect email or password"	Login Gui
1.3.2.2)	Login GUI	returns	msg	User
1.4)	Else (a==null)			
1.4.1)	Login GUI	query	msg:="Create new account?"	User
1.4.2)	User	selects		SignUp Button
1.4.2.1)	Login GUI	redirects		SignUp GUI
1.4.2.2)	SignUp GUI	requests	email,password,address	User
1.4.2.2.1)	User	Inputs	email,password,address	SignUp GUI
1.4.2.2.2)	SignUp GUI	sends	email,password,address	AccountsDatabase
1.4.2.2.3)	AccountsDatabase	returns	Account b	SignUp GUI
1.4.2.2.4)	if Registering Successful (b!=null)			
1.4.2.2.4.1)	SignUp GUI	displays	msg:="Account Creation Successfull"	User
1.4.2.2.4.2)	SignUp GUI	redirects	after 1 second wait	AppHomepage
1.4.2.2.5)	Else (b==null)			
1.4.2.2.5.1)	SignUp GUI	creates	error msg:=(Context dependent ex. Invalid email or password or address)	
1.4.2.2.5.2)	SignUp GUI	shows	msg	User

## Login/Signup Design Sequence Diagram

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Trip Planner Analysis Sequence diagram



	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
2)	User	Requests	plan	Trip Planner GUI
2.1)	Trip Planner GUI	Requests	plan	Trip Planner Controller
2.2)	Trip Planner Controller	Requests	Flight Booking Details	Flight Webservice
2.2.1)	Flight Webservice	Returns	Flight Booking Details	Trip Planner Controller
2.2.2)	Trip Planner Controller	Requests	Car Booking Details	Car Webservice
2.2.3)	Car Webservice	Returns	Car Booking Details	Trip Planner Controller
2.2.4)	Trip Planner Controller	Requests	Hotel Booking Details	Hotel Webservice
2.2.5)	Hotel Webservice	Returns	Hotel Booking Details	Trip Planner Controller
2.3)	Trip Planner Controller	Returns	plan	Trip Planner GUI

Trip Planner Design Sequence diagram

