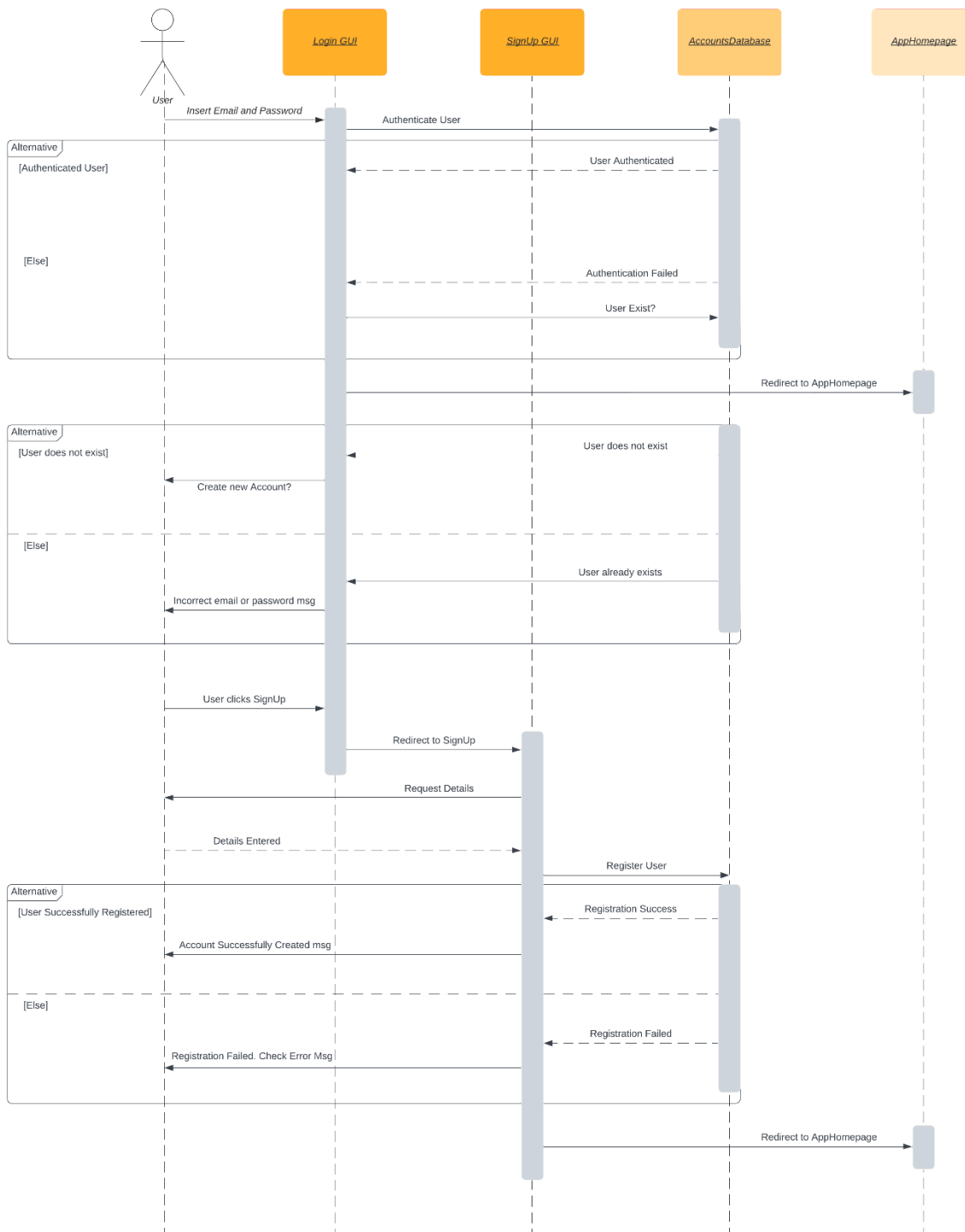


## Login/Signup Analysis Sequence Diagram

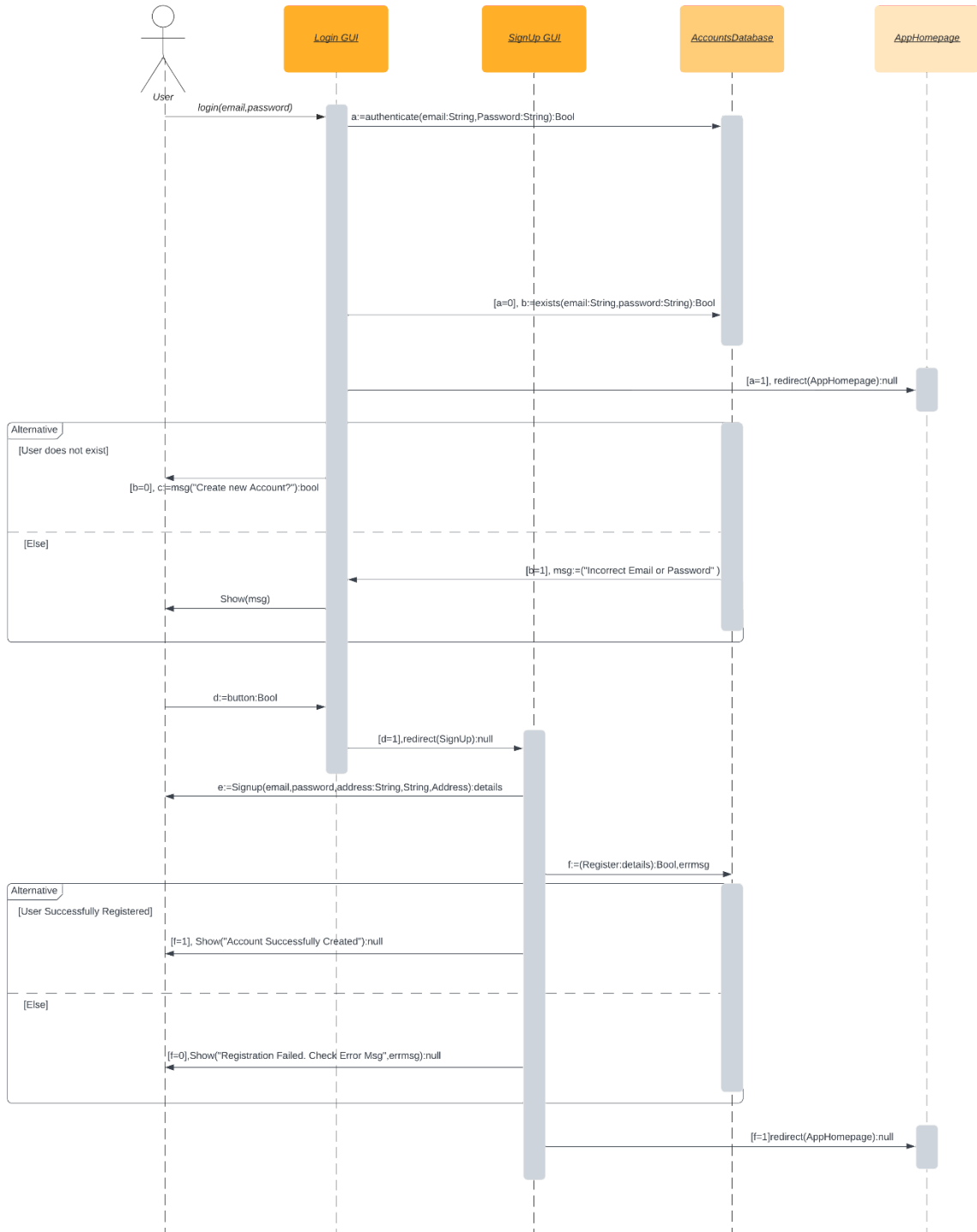
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	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1)	User	Inputs	email,password	Login GUI
1.1)	Login GUI	Authenticates	email,password	AccountsDatabase
1.2)	AccountsDatabase	returns	Account a	Login GUI
1.3)	if Account in AccountsDatabase (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 Successful"	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

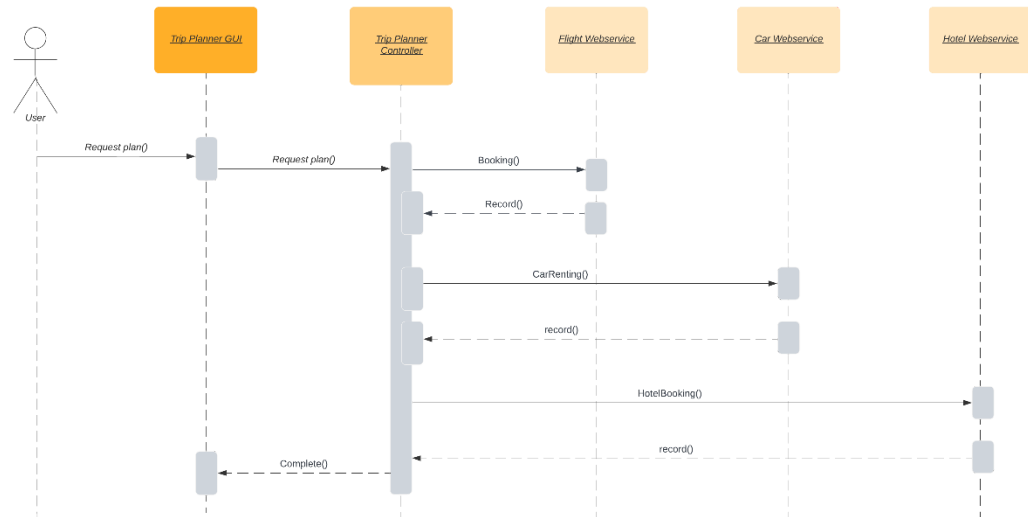
# Login/Signup Design Sequence Diagram

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Trip Planner Analysis Sequence diagram

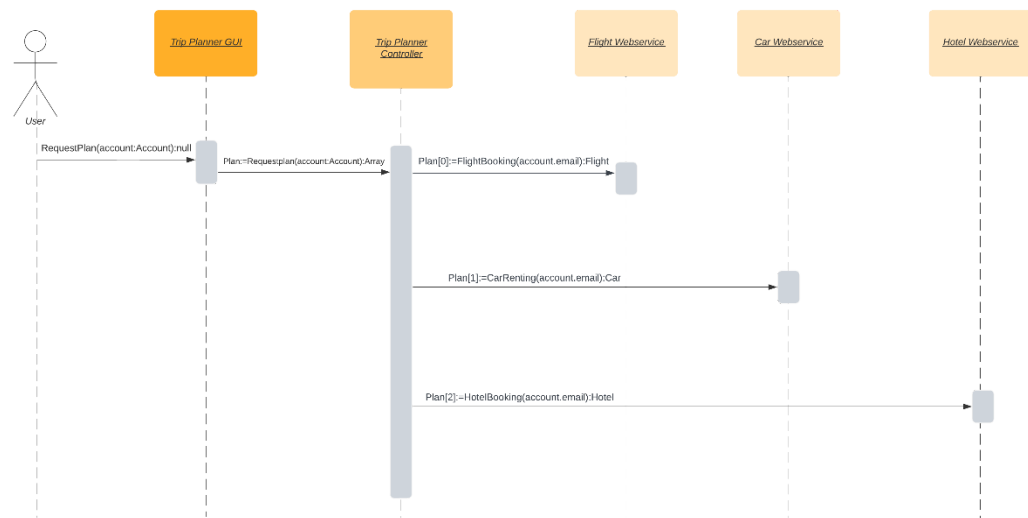
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	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
2)	User	Requests	plan	Trip Planner GUI
2.1)	Trip Planner GUI	Requests	plan	Trip Planner Controller
2.2)	Trip Planner Controller	Requests	Flight Booking Details	Flight Webservice
2.2.1)	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

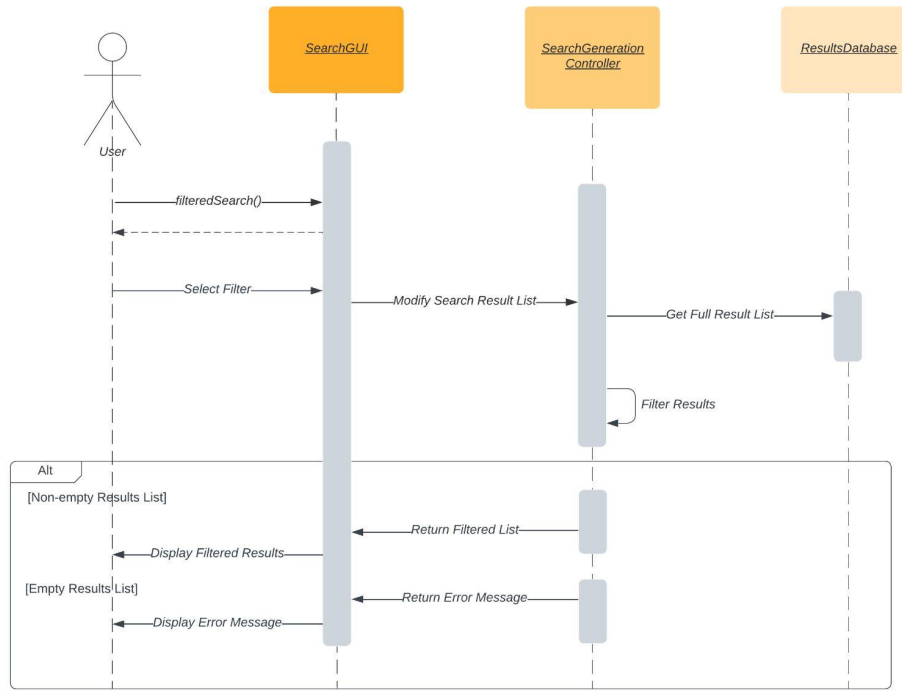
Trip Planner Design Sequence diagram

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## Selecting Search Filter - Analysis Sequence Diagram

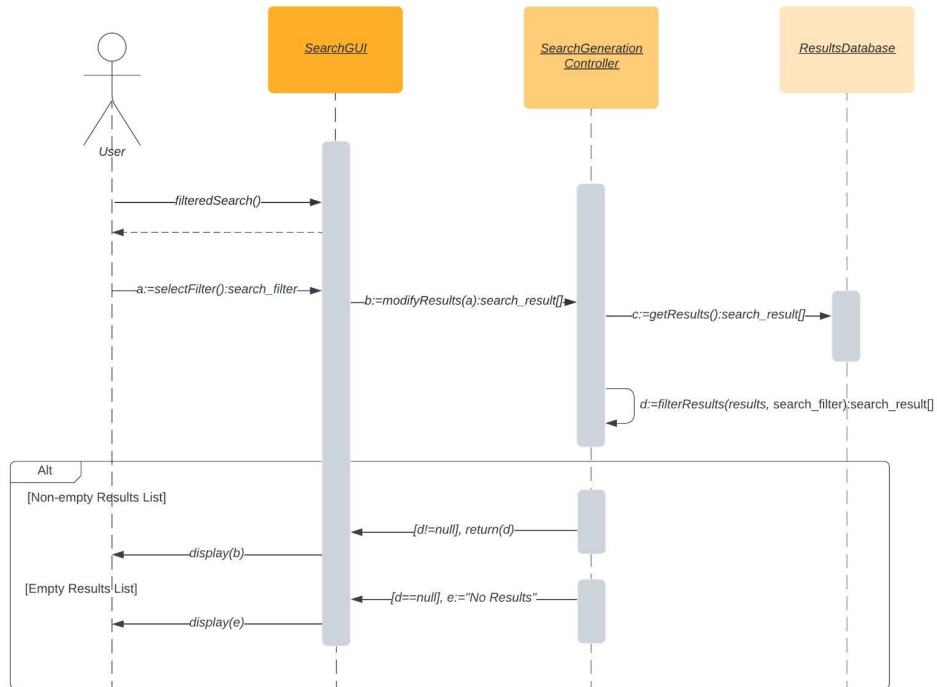
Joe Godinez | March 26, 2023



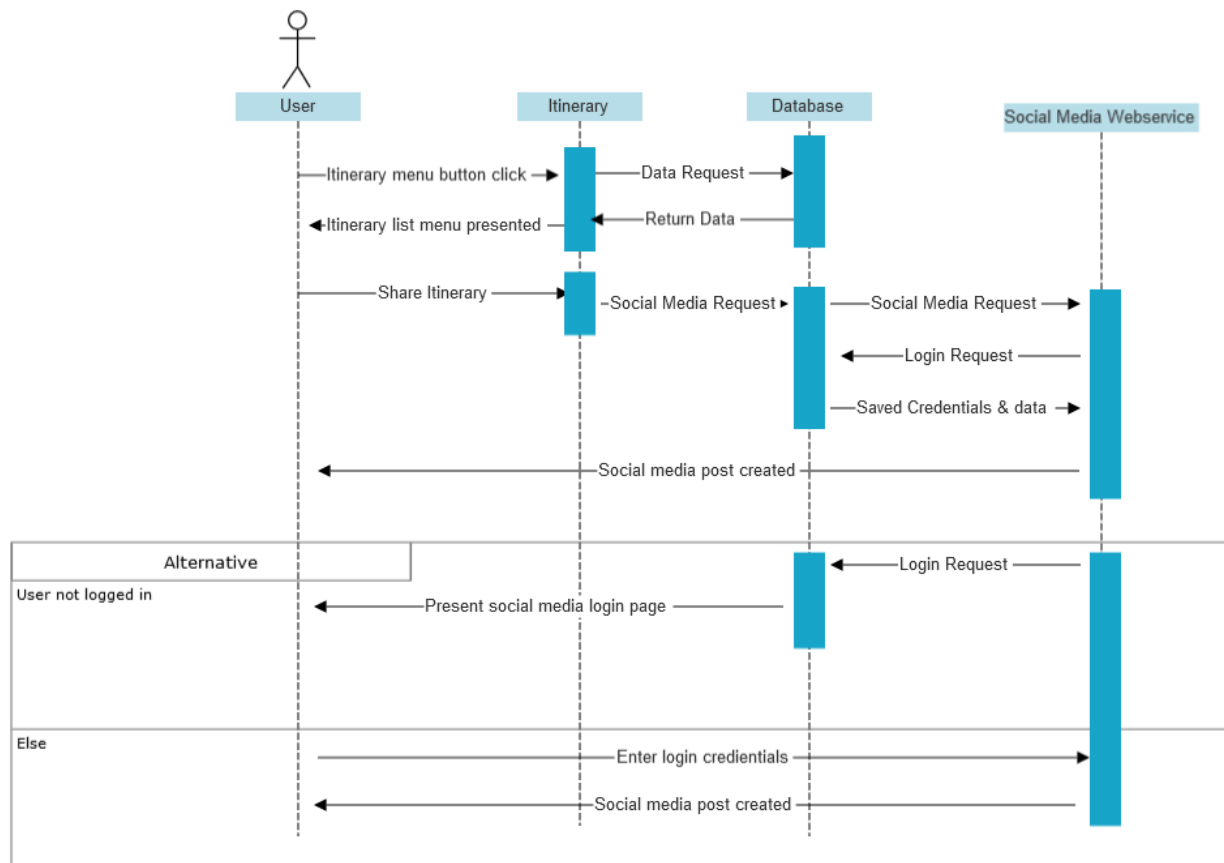
	Subject	Action of Subject	Other Data/Objects	Object Acted Upon
1.1)	user	selects	filtered_search	SearchGUI
1.2)	SearchGUI	displays	list of search_filters	user
1.3.1)	user	selects	search_filter	SearchGUI
1.3.2)	SearchGUI	relays selected	search_filter	SearchGeneration controller
1.3.3)	SearchGeneration controller	parses	list of search_results	Results database
1.4)	if search_results[] != null			
1.4.1)	Results database	returns	filtered_results = parsed list of search_results	SearchGenetation controller
1.4.2)	SearchGeneration controller	relays	filtered_results	SearchGUI
1.4.3)	SearchGUI	displays	filtered_results	user
1.5)	else			
1.5.1)	Results database	returns	empty list exception	SearchGeneration controller
1.5.2)	SearchGeneration controller	generates	msg="No Results"	SearchGUI
1.5.3)	SearchGUI	displays	msg	user

## Selecting Search Filter - Design Sequence Diagram

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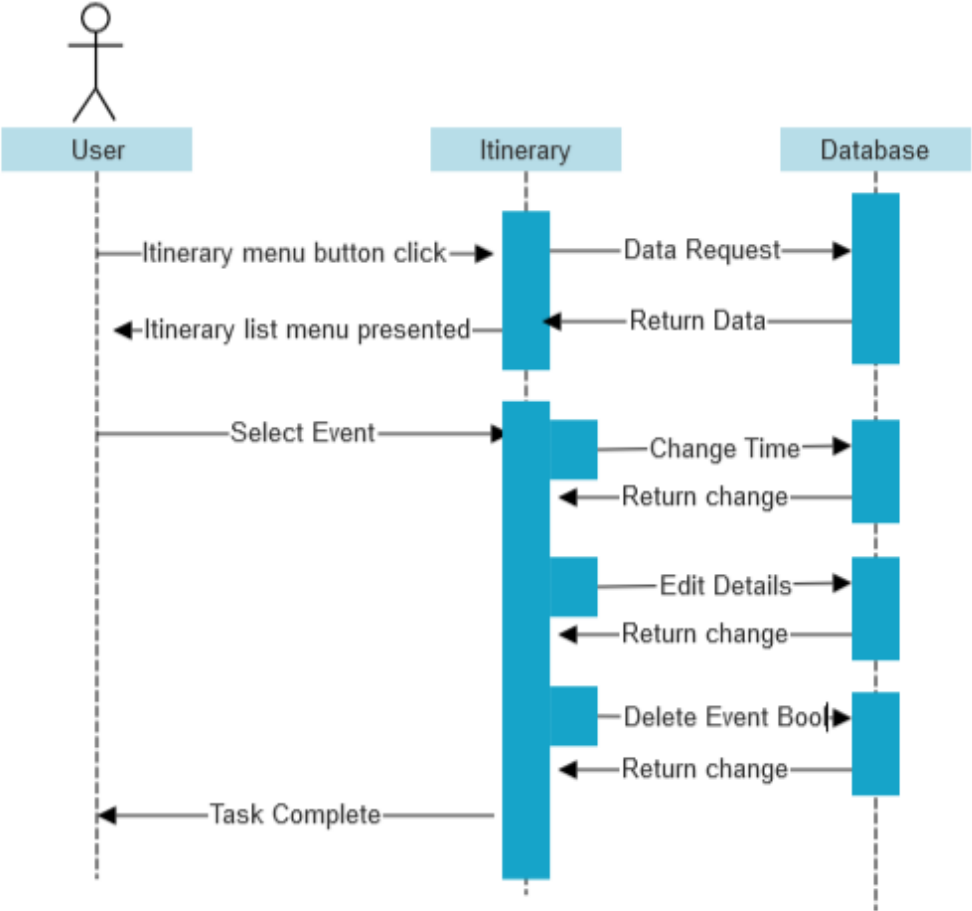
Share Itinerary - Design Search Diagram  
Darien Orethun | 2023.26.3



	Subject	Action	Other Data/Objects	Object Acted Upon
1	User	Selects		Itinerary_Controller
1.1	Itinerary_Controller	Parses		Database
1.2	Database	Returns	Event_list	Itinerary_Controller
1.3	Itinerary_Controller	Displays		Itinerary_Controller
2	User	Selects		Itinerary_Controller
2.1	Database	Parses		Socialmedia_webs ervice
2.2	Socialmedia_webservice	Parses		Database
2.3	Database	Parses	Login_Info,Event_data	Socialmedia_webs ervice
2.4	Socialmedia_webservice	Displays	msg="Posted Successfully"	User
3	else			

3.1	Socialmedia_webservice	Displays	Login_Request	User
3.2	User	Returns	Login_Info	Socialmedia_webs ervice
3.3	Socialmedia_webservice	Displays	msg="Posted Successfully"	User

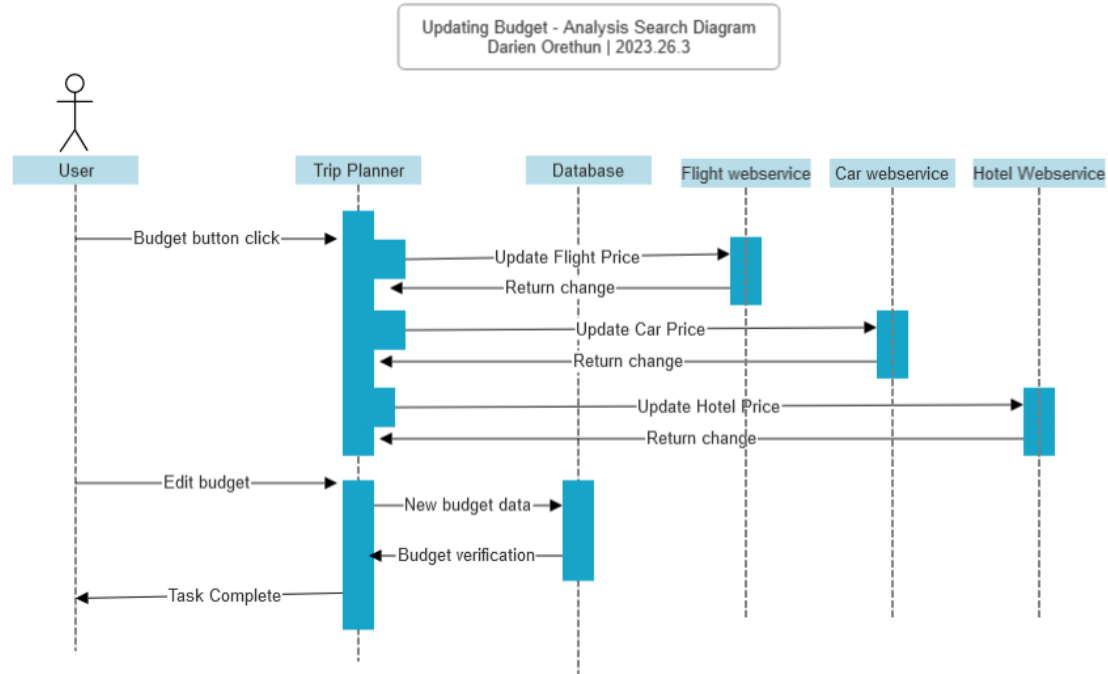
Itinerary Event - Analysis Search Diagram  
Darien Orethun | 2023.26.3



	Subject	Action	Other Data/Objects	Object Acted Upon
1	User	Selects		Itinerary_Controller
1.2	Itinerary_Controller	Parses		Database



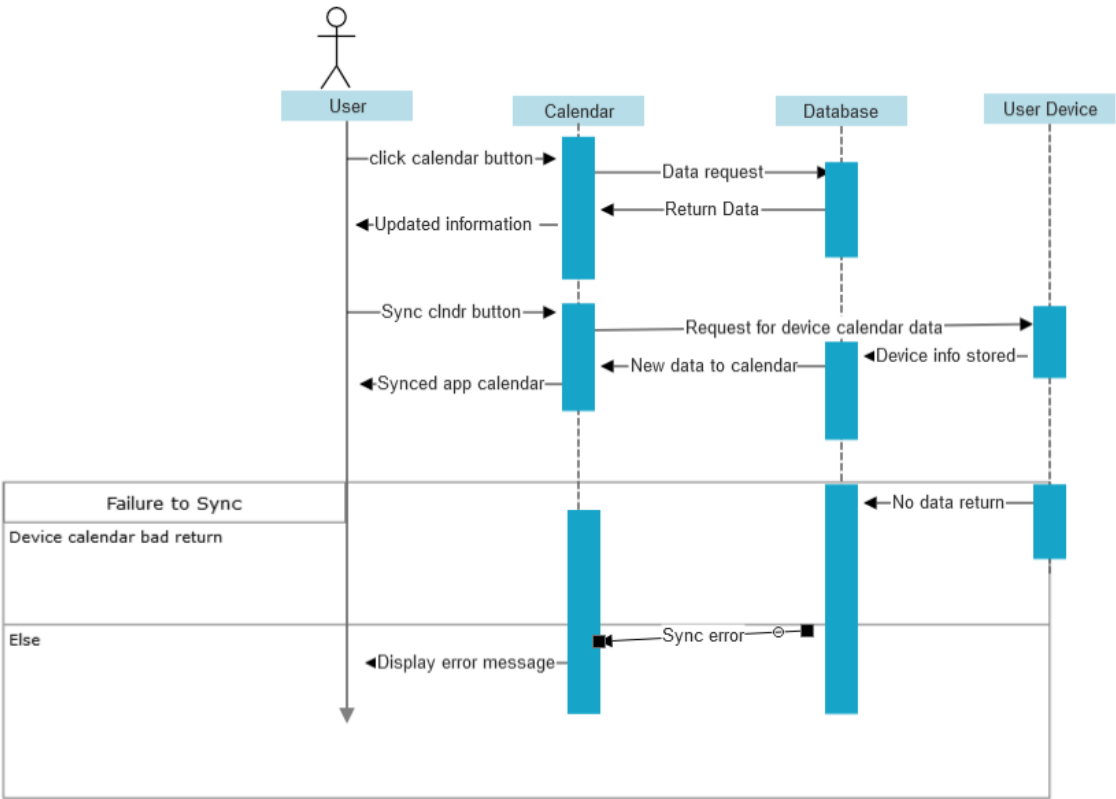
1.3	Database	Returns	Event_list	Itinerary_Controller
2	User	Selects	Event_Info	Itinerary_Controller
	Itinerary_Controller	Parses	Event_info_Time	Database
	Database	Parses	Event_info_Time	Itinerary_Controller
	Itinerary_Controller	Parses	Event_info_Info	Database
	Database	Parses	Event_info_Info	Itinerary_Controller
	Itinerary_Controller	Parses	Event_info_Delbool	Database
	Database	Parses	Event_info_Delbool	Itinerary_Controller
	Itinerary_Controller	Returns	msg="Event Updated"	User



	Subject	Action	Other Data/Objects	Object Acted Upon
1	User	Select		TripPlanner_control ler
1.1	TripPlanner_controller	Parses	Flight_cost	flight_webservice
1.2	Flight_webservice	Parses	Flight_cost	TripPlanner_control ler
1.3	TripPlanner_controller	Parses	Car_cost	Car_webservice

1.4	carwebservice	parses	Car_cost	TripPlanner_controller
1.5	TripPlanner_controller	Parses	Hotel_cost	Hotel_webservice
1.6	Hotel_webservice	Parses	Hotel_cost	TripPlanner_controller
2	User	Select	Trip_budget_info	TripPlanner_controller
2.1	tripPlanner_controller	parses	Trip_budget_info	database
2.2	database	parses	Trip_budget_info	TripPlanner_controller
2.3	tripPlanner_controller	displays	msg = budget_info_balance	user

Updating Budget - Analysis Search Diagram  
Darien Orethun | 2023.26.3



	Subject	Action	Other Data/Objects	Object Acted Upon
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1	User	Select		Calendar_controller
1.1	Calendar_controller	Parses	Calendar_list	Database
1.2	Database	Parses	Calendar_list	Calendar_controller
1.3	Calendar_controller	Displays	Calendar_list	user
2	User	Select	Sync_calendar	calendar_controller
2.1	calendar_controller	parses		userDevice_system
2.2	userDevice_system	parses	device_calendar_list	database
2.3	database	parses	device_calendar_list	calendar_controller
2.4	calendar_controller	Displays	msg="Calendar Synced"	user
3	else			
3.1	userDevice_system	parses		calendar_controller
3.2	calendar_controller	Displays	msg="Sync Error"	User