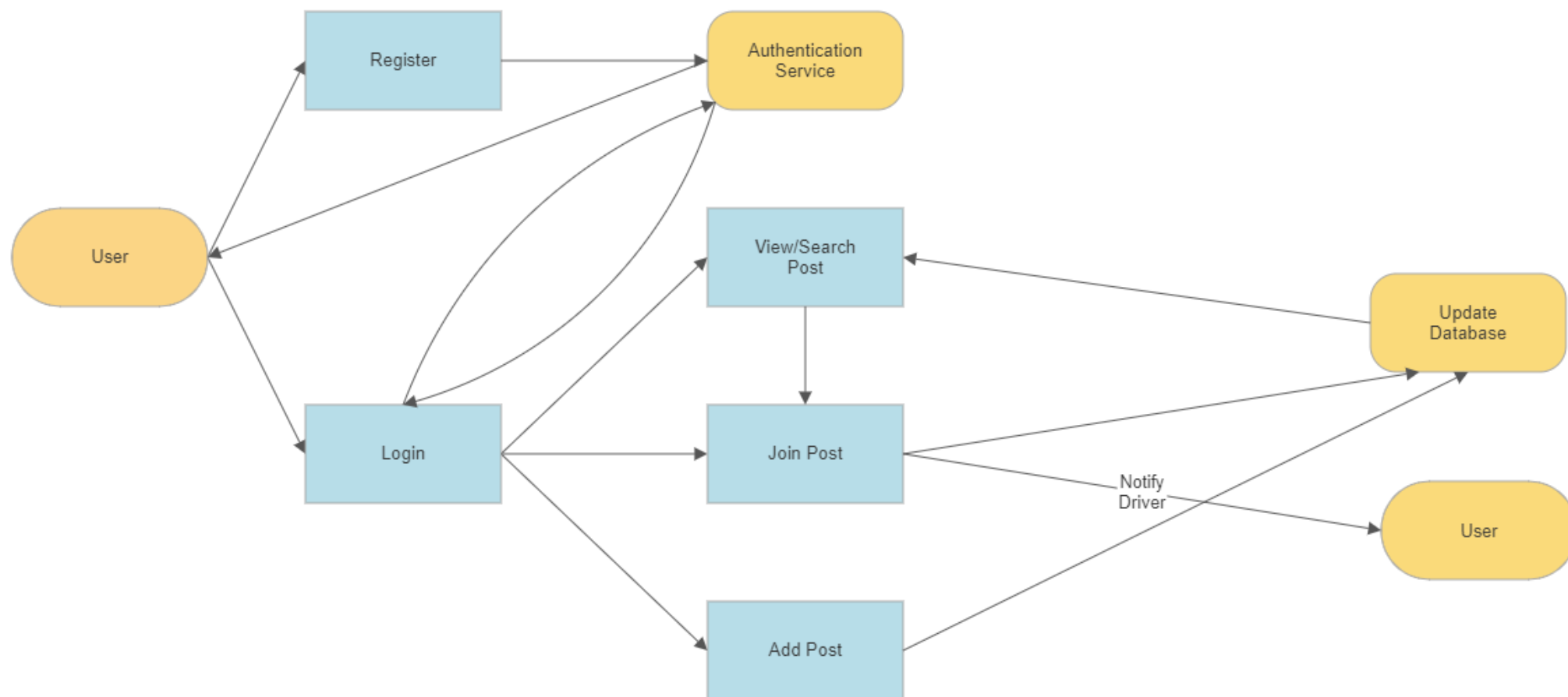


הנדסת תוכנה מטלה 3 – מסמך ניתוח

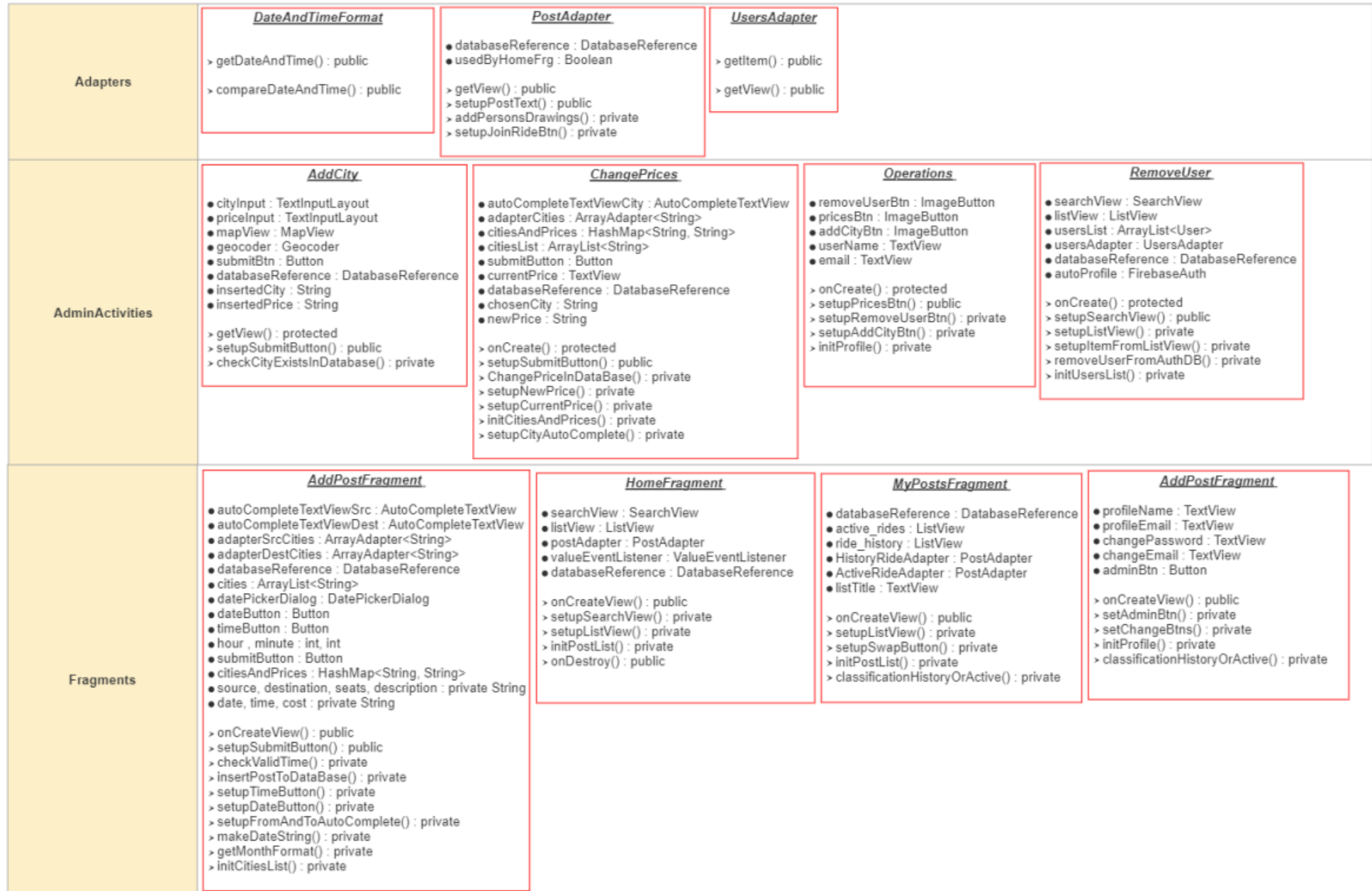
206284960 – ליאור שחוח, 207304353 – מוריה בראל, 313589038 – חי לוי, 315021923 – ליאל ביטון

Use Case Diagram:

שחקנים בצבע צהוב / תהליכים בצבע תכלת



Class Diagram:



More Classes:

Objects	<div><div><u>Post</u><ul style="list-style-type: none">●postID : String●publisherID : String●publisherFirstName : String●publisherLastName : String●seats : String●source : String●destination : String●leavingTime : String●leavingDate : String●cost : String●description : String●passengerIDs : List<String><ul style="list-style-type: none">> getPublisherID() : public> getLeavingDate() : public> getPostID() : public> getDescription() : public> getSource() : public> getDestination() : public> getPublisherFirstName() : public> getPublisherLastName() : public> getCost() : public> getSeats() : public> getAvailableSeats() : public> getLeavingTime() : public> getPassengerIDs() : public> addPassenger() : public> getPublisherFullName() : public> isFull() : public> toString() : public> createPost() : public</div><div><u>User</u><ul style="list-style-type: none">●id : String●firstname : String●lastname : String●email : String●Uid : String●isAdmin : Boolean<ul style="list-style-type: none">> getUid() : public> getIsAdmin() : public> getFirstname() : public> getLastName() : public> getEmail() : public> getId() : public> getFullName() : public> toString() : public</div></div>
UsersActivities	<div><div><u>AddPost</u><ul style="list-style-type: none">● autoCompleteTextViewSrc : AutoCompleteTextView● autoCompleteTextViewDest : AutoCompleteTextView● adapterSrcCities : ArrayAdapter<String>● adapterDestCities : ArrayAdapter<String>● databaseReference : DatabaseReference● cities : ArrayList<String>● datePickerDialog : DatePickerDialog● dateButton : Button● timeButton : Button● hour : int● minute : int● submitButton : Button● citiesAndPrices : HashMap<String, String>● source : String● destination : String● seats : String● description : String● date : String● time : String● cost : String<ul style="list-style-type: none">> onCreate() : protected> setupSubmitButton() : private> checkValidTime() : private> insertPostToDataBase() : private> setTimeButton() : private> setDateButton() : private> setupFromAndToAutoComplete() : private> initDatePicker() : private> makeDateString() : private> getMonthFormat() : private> initCitiesList() : private</div><div><u>ForgotPassword</u><ul style="list-style-type: none">● emailTxt : String● idTxt : String● databaseReference : DatabaseReference<ul style="list-style-type: none">> setupSendNewPasswordButton() : private> checkIdAndEmailOnDatabase() : private> setupBackBtn() : private> resetPassword() : private</div><div><u>Login</u><ul style="list-style-type: none">● autoProfile : FirebaseAuth● user : User● firebase_url : String● databaseReference : DatabaseReference<ul style="list-style-type: none">> setupLoginButton() : private> setupRegisterButton() : private> setupForgotPasswordButton() : private> getIdByEmail() : private> str_to_boolean() : private</div><div><u>MainActivity</u><ul style="list-style-type: none">● bottomNavigationView : BottomNavigationView● selectedFragment : Fragment<ul style="list-style-type: none">> setupNavBar() : private</div><div><u>AddPost</u><ul style="list-style-type: none">● databaseReference : DatabaseReference● authProfile : FirebaseAuth● firstnameTxt : String● lastnameTxt : String● emailTxt : String● idTxt : String● passwordTxt : String● confirmPasswordTxt : String<ul style="list-style-type: none">> onCreate() : protected> setupSignUpButton() : private> setupBackToLoginBtn() : private> authRegistration() : private> realTimeRegistration() : private> checkAdmin() : private</div></div>

Object Diagram:

Objects

Post

- postID : String
 - publisherID : String
 - publisherFirstName : String
 - publisherLastName : String
 - seats : String
 - source : String
 - destination : String
 - leavingTime : String
 - leavingDate : String
 - cost : String
 - description : String
 - passengerIDs : List<String>
-
- getPublisherID() : public
 - getLeavingDate() : public
 - getPostID() : public
 - getDescription() : public
 - getSource() : public
 - getDestination() : public
 - getPublisherFirstName() : public
 - getPublisherLastName() : public
 - getCost() : public
 - getSeats() : public
 - getAvailableSeats() : public
 - getLeavingTime() : public
 - getPassengerIDs() : public
 - addPassenger() : public
 - getPublisherFullName() : public
 - isFull() : public
 - toString() : public
 - createPost() : public

User

- id : String
 - firstname : String
 - lastname : String
 - email : String
 - Uid : String
 - isAdmin : Boolean
-
- getUid() : public
 - getIsAdmin() : public
 - getFirstname() : public
 - getLastname() : public
 - getEmail() : public
 - getId() : public
 - getFullName() : public
 - toString() : public

DateAndTimeFormat

- getDateAndTime() : public
- compareDateAndTime() : public

UsersAdapter

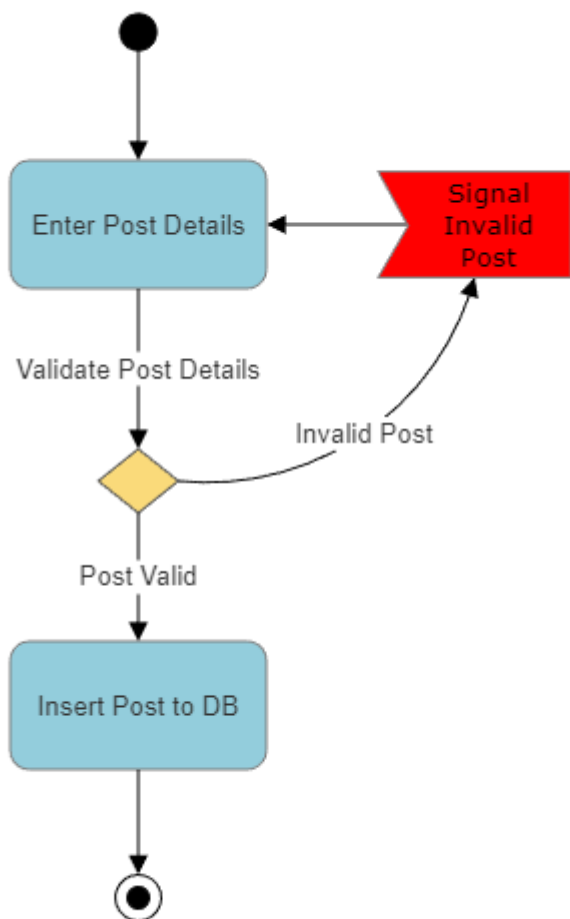
- getItem() : public
- getView() : public

PostAdapter

- databaseReference : DatabaseReference
 - usedByHomeFrg : Boolean
-
- getView() : public
 - setupPostText() : public
 - addPersonsDrawings() : private
 - setupJoinRideBtn() : private

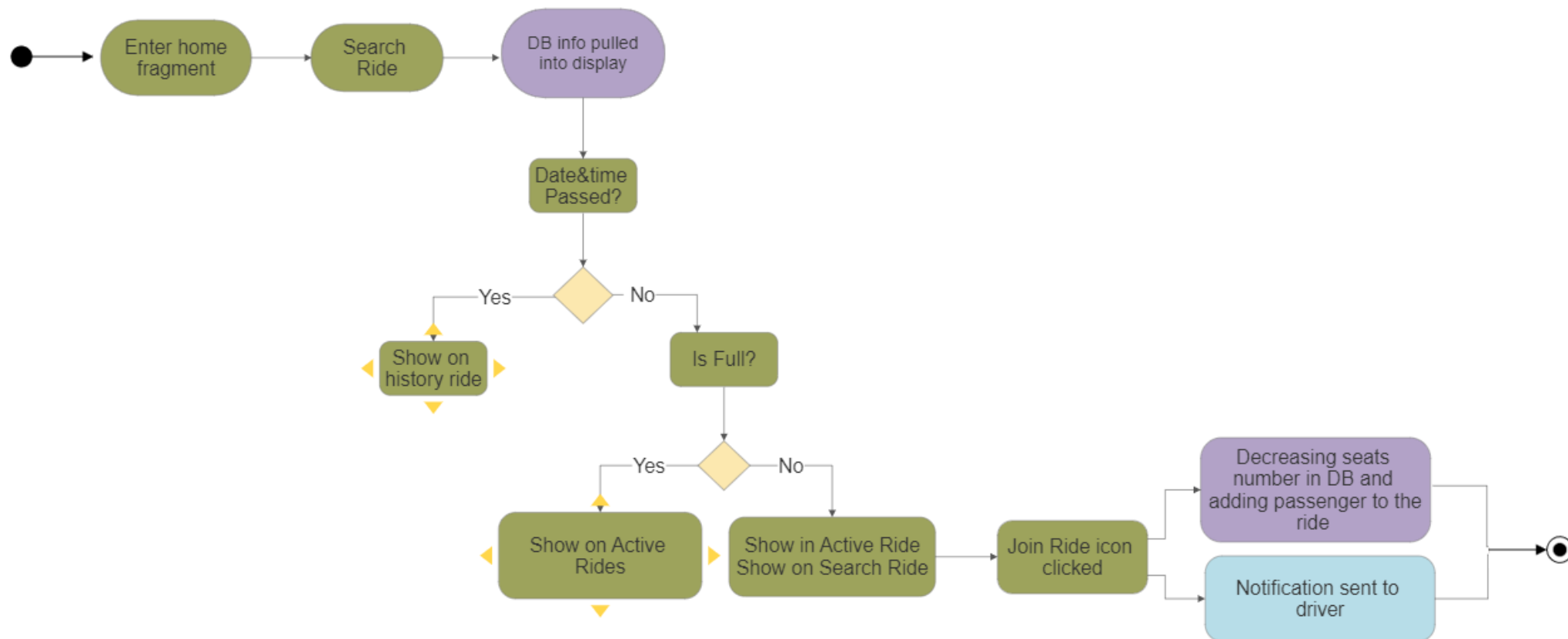
Activity Diagram:

דיאגרמה של תהליך הוספת פוסט על ידי נהג

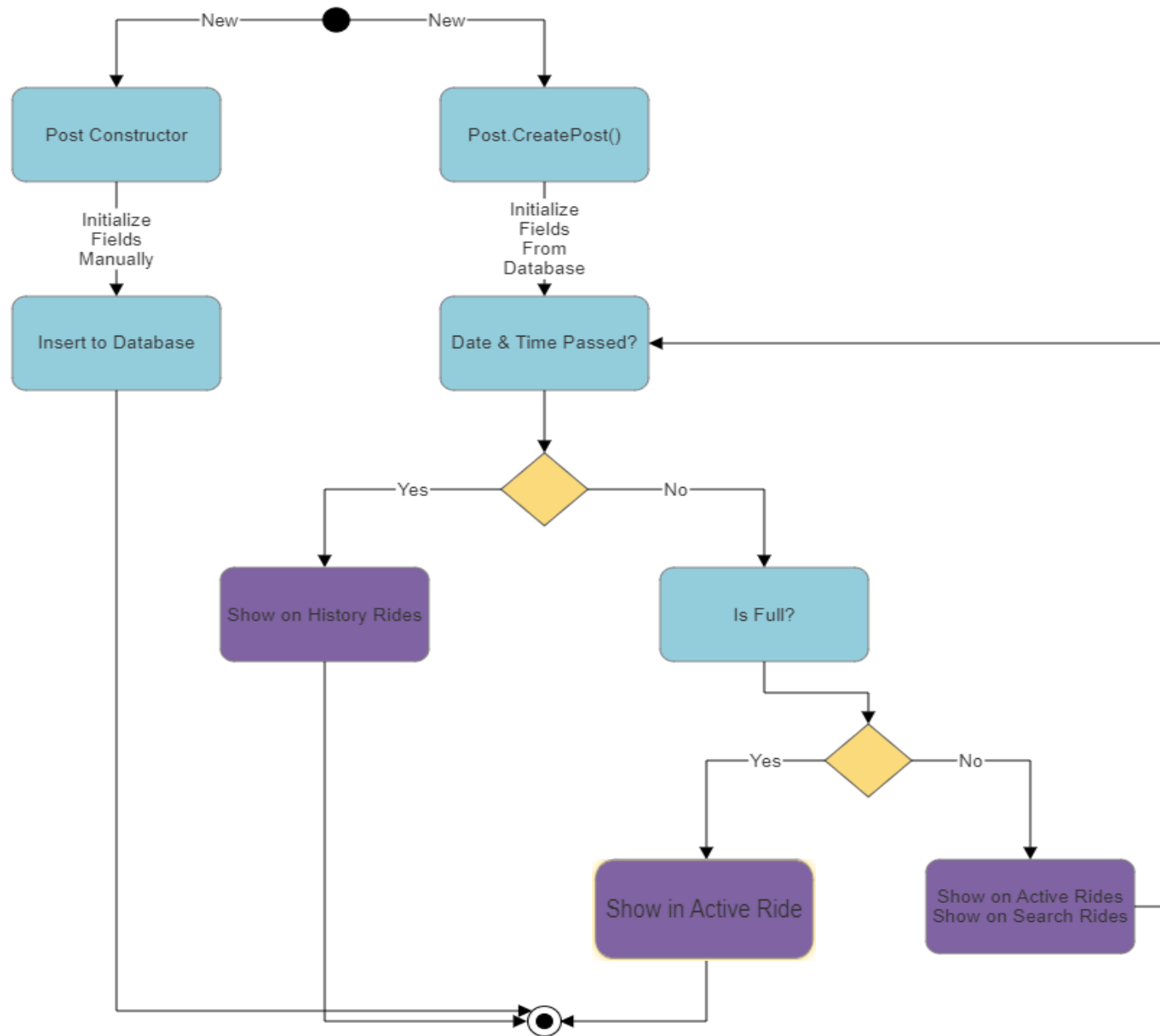


Sequence Diagram:

דיאגרמה של תהליך הוספת חיפוש נסיעה והצטרפות אליה על ידי הטרמפיסט



State Machine Diagram for 'Post' Object:



ERD:

