**Login:** All users will be able to login with their username(email) and password, on “Submit” button click in the form, authVerify() function will be called. It will check if the username and password combination matches the one in the database.

**Register:** If a user does not have an account, they will be asked to register for one. The registerUser() function will verify that all mandatory fields are filled out with the proper values, and none are left empty.

**Forgot password:** To recover a forgotten password, a user will be asked to input their email associated with their account. The forgotPassword() function will check if the provided email exists in the database, then the user will be emailed instructions on how to create a new password.

**Change password:** In case a user wants to change their password, they will be able to do it. The user must provide the current password in order to create a new password. The changePassword() password will then check if the entered current password matches the one stored in the database and if the new password meets the requirements.

**Deactivate account:** If a user no longer wants to use the app, they might have their account deactivated. The deactivateAccount() function will ask the user to provide the reason for deactivating their account (for feedback purposes) and their password to verify that it’s the user themselves not somebody else.

**Start recording:** When a user presses the button while they are walking or running, the system starts to record the way that the user is going through, time that user spend for running and other function will record.

**Save record:** The saveRecord() function writes a record to the database table. The record is essentially a set of coordinates that describe the user’s route.

**Stop recording:** The “Stop” button allows the user to finish recording an activity. When the user wants to stop the recording their activity, the stopRecording() method will be invoked to stop recording the coordinates.

**Delete activity:** It might so happen that a user has some activities recorded that they don’t want to be associated with their account. To handle that, there is the deleteActivity() method that allows users to delete unused or old activities to make some space for new ones. This method actually deletes a database record, so there’s no way to restore the information.

**Clear activity history:** Many records associated with one user stored in the database. Each entry consists of the time that the activity took (for example, the user was walking for 43 min 21 sec), the distance and the average speed. These entries make up the activity history. With the clearHistory() method, the user is able to delete all the records for their account.