

CSE 335 CLASS PROJECT PHASE III

HARDIK GUPTA

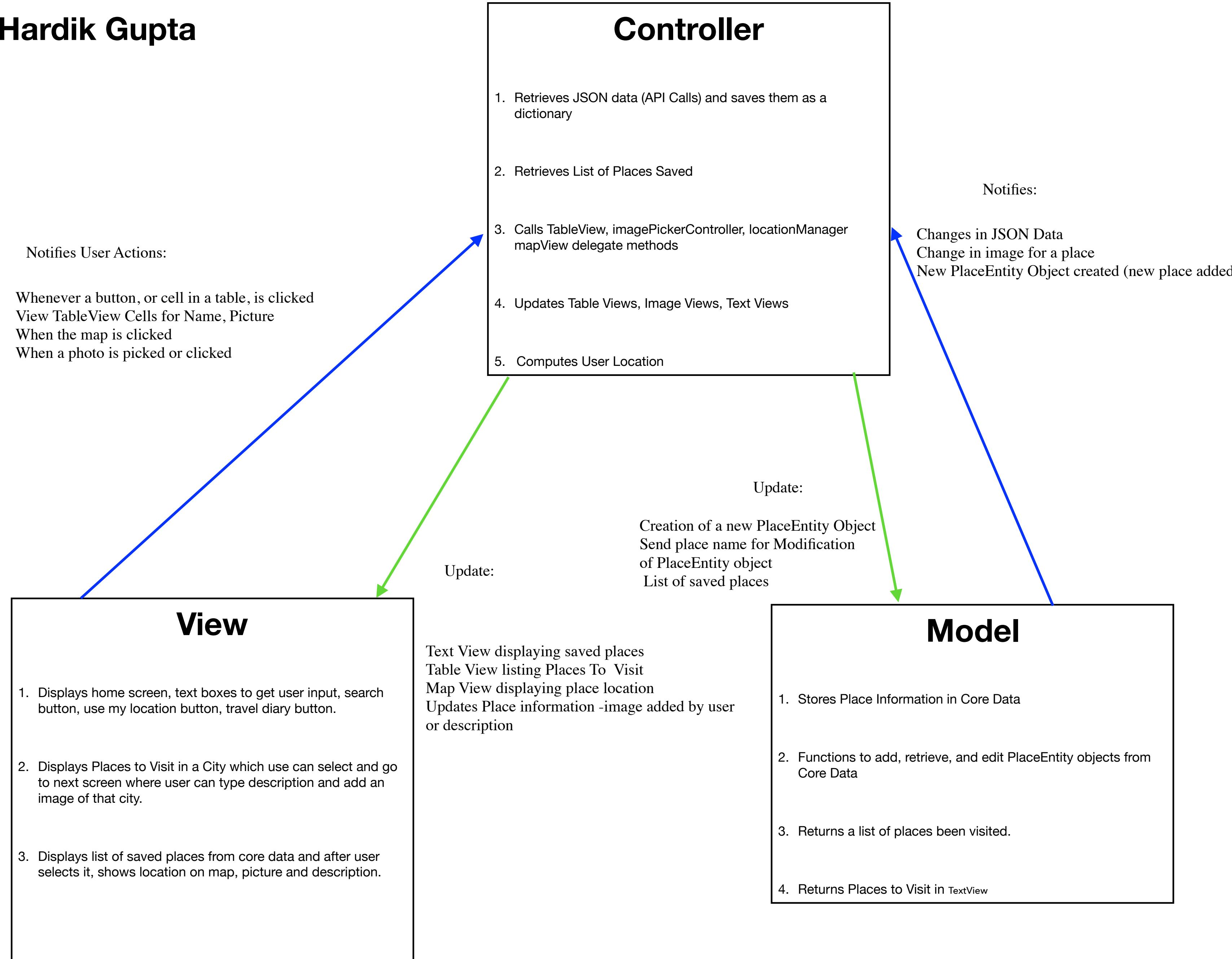
IOS TRAVEL DIARY

TRAVEL DIARY

- ▶ Motivation behind this project: I like to travel and organize pictures I took while traveling.
- ▶ UI/ Functionalities added according to Class Project requirements
- ▶ Traditional Photos app has a very bad UI based on Map. No list available.
- ▶ The user can also save some comments about the picture.
- ▶ Targeted Users: Travelers who want to remember the specific point of interest they took image at.



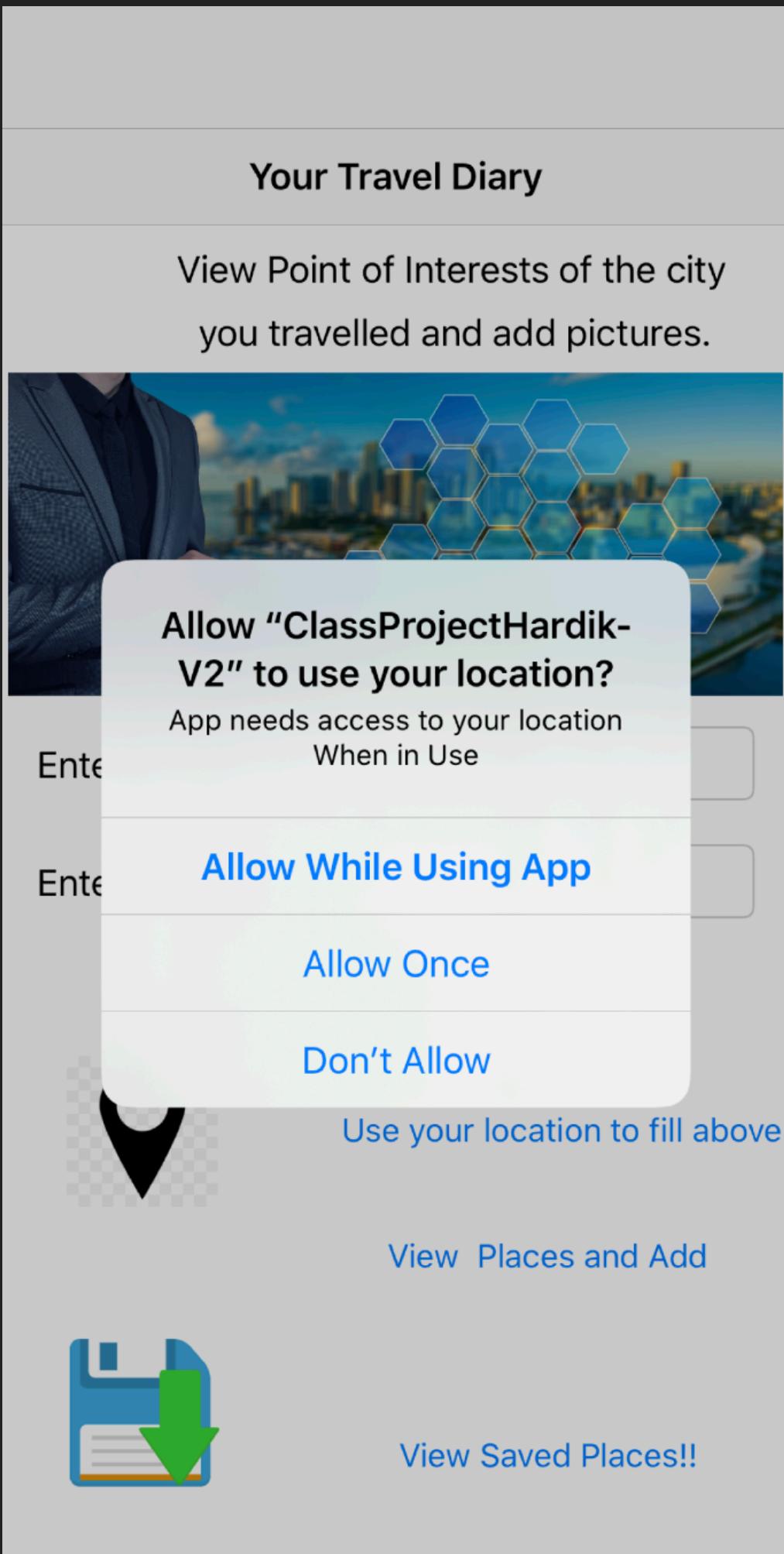
Hardik Gupta



CAPABILITIES

USE OF LOCATION SERVICES

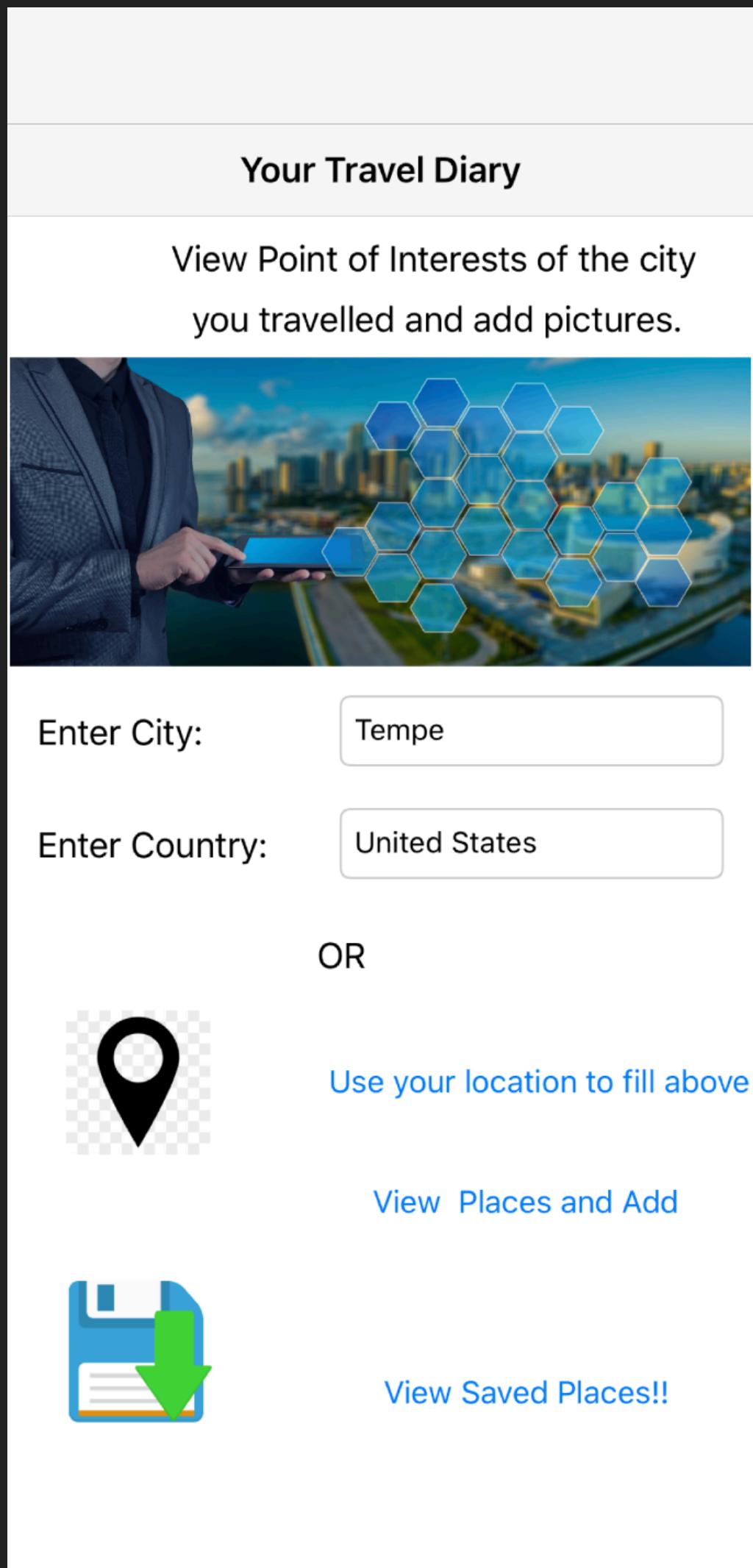
- ▶ The app asks for permission from the user to access the user's current location.
- ▶ The user can deny, allow or choose to allow location access only when the app is in use.



CAPABILITIES

USE OF LOCATION SERVICES

- ▶ When “Use your location to fill above” is pressed, user’s current locations coordinates are found out using MapKit and using geocoder the City and Country are found out.



CAPABILITIES

LISTING POINT OF INTERESTS OF THE LOCATION USER MENTIONED

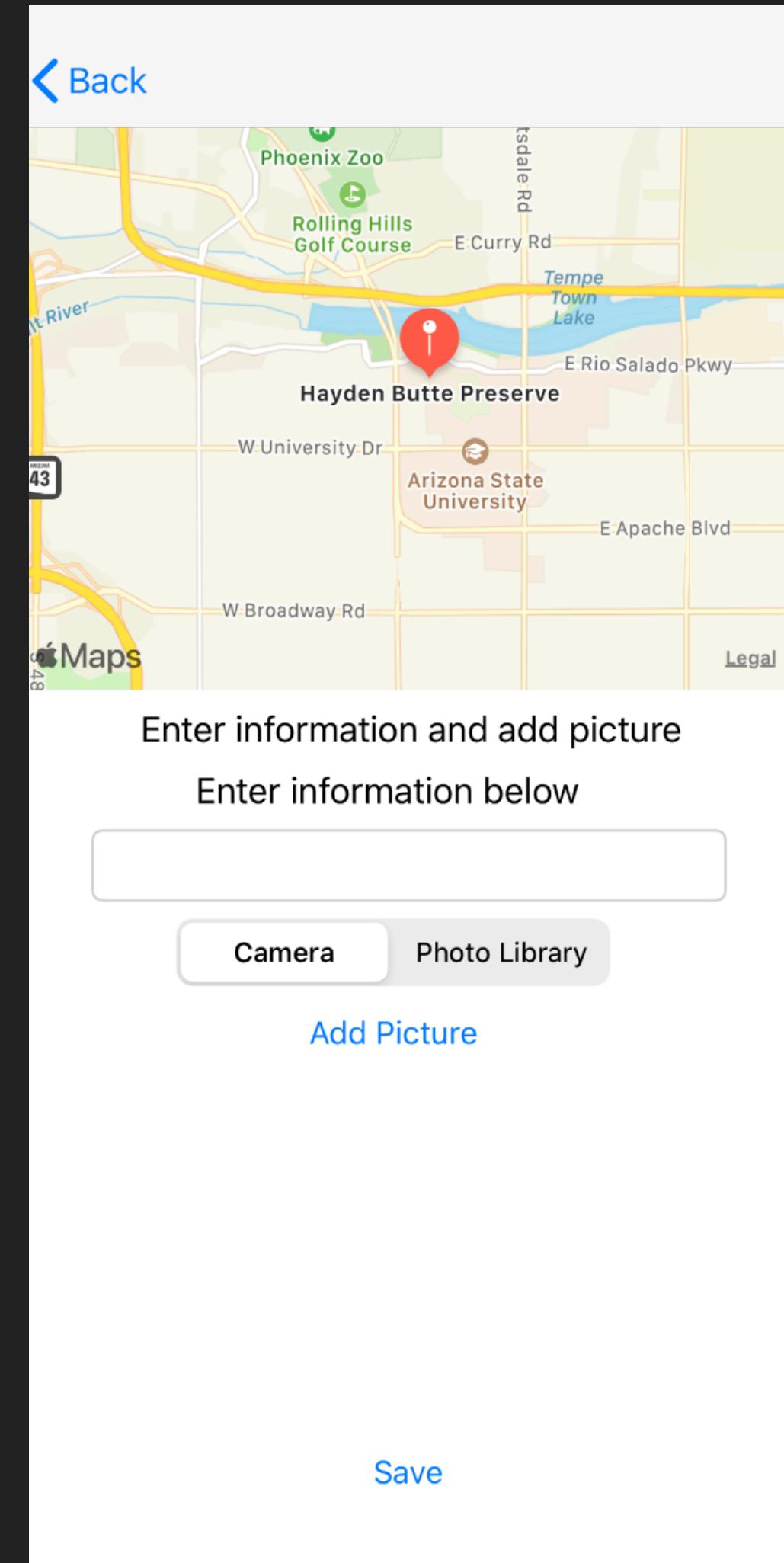
- ▶ Gets the City name and Country name using segue from ViewController and API calls from google API “Places API” to list famous tourists spot of the locality.

The screenshot shows a mobile application interface. At the top, there is a back button labeled "Back" and a title "List of Places to Visit in the City !!". Below the title is a list of approximately 30 place names, including: Tempe Beach Park, Desert Botanical Garden, Adventurous Stills, Inferno Escape Room, Hole in the Rock, ASU Art Museum Ceramics Research Center, Segway of Scottsdale Tours, Tempe History Museum, South Mountain Park and Preserve, Musical Instrument Museum, LEGOLAND Discovery Center Arizona, AZ Heritage Center at Papago Park, Riverview Park Kids' Playground, Kiwanis Recreation Center, Arizona Food Tours, Echo Canyon Trailhead, Hayden Butte, Downtown Tempe, ASU Art Museum, and Arizona Museum of Natural History. Below this list is a map of Tempe, AZ, showing major roads like Loop 202, Loop 101, and I-10, along with E Apache Blvd. A marker indicates the location of the ASU Art Museum. At the bottom of the screen, there is a text input field with the placeholder "Enter the place name from above results.", a "Continue" button, and a "Maps" button.

CAPABILITIES

ANNOTATIONS ON MAP OF ENTERED PLACE FROM THE LIST

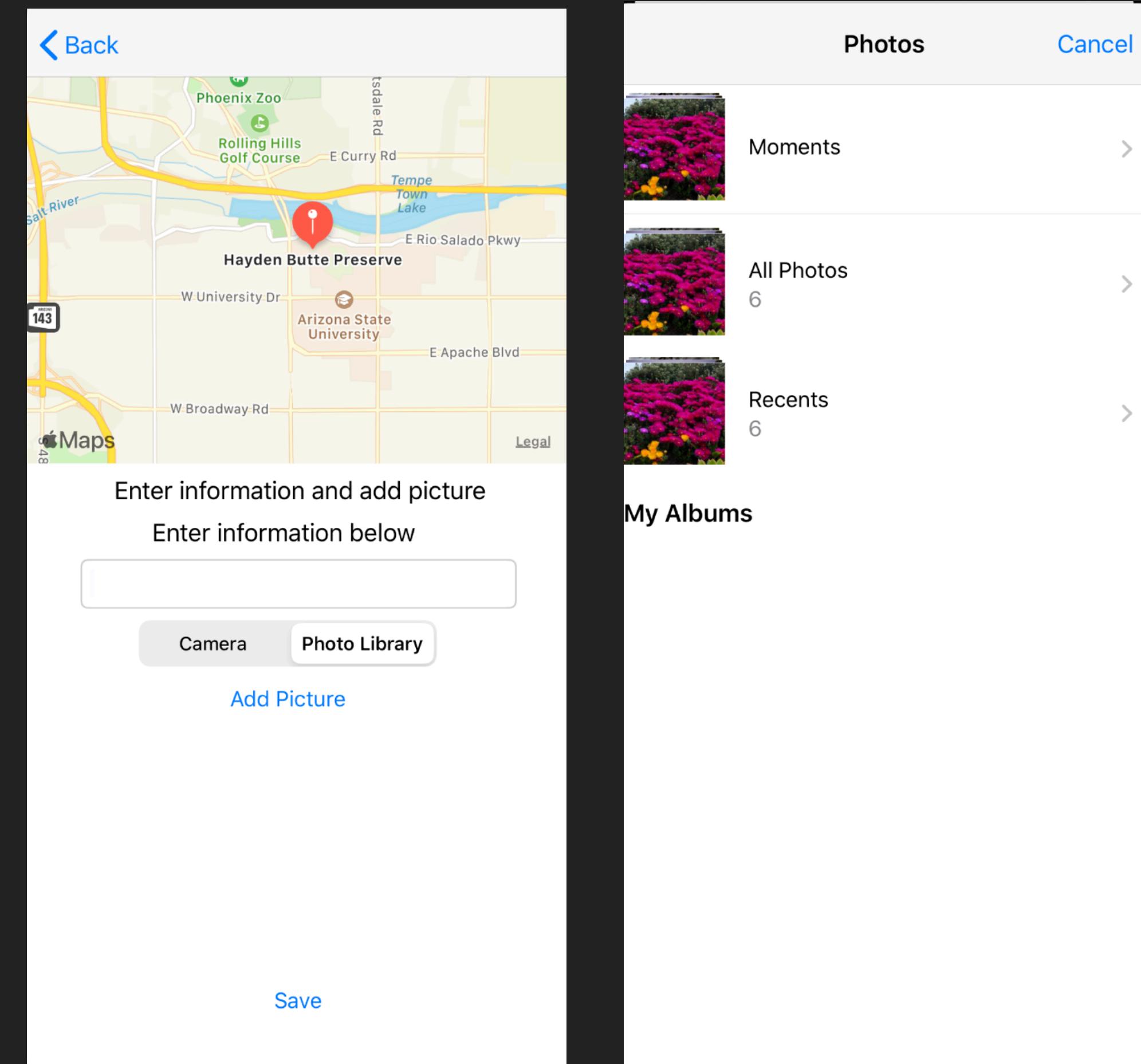
- ▶ Drops a pin where the selected place is on the Map View.



CAPABILITIES

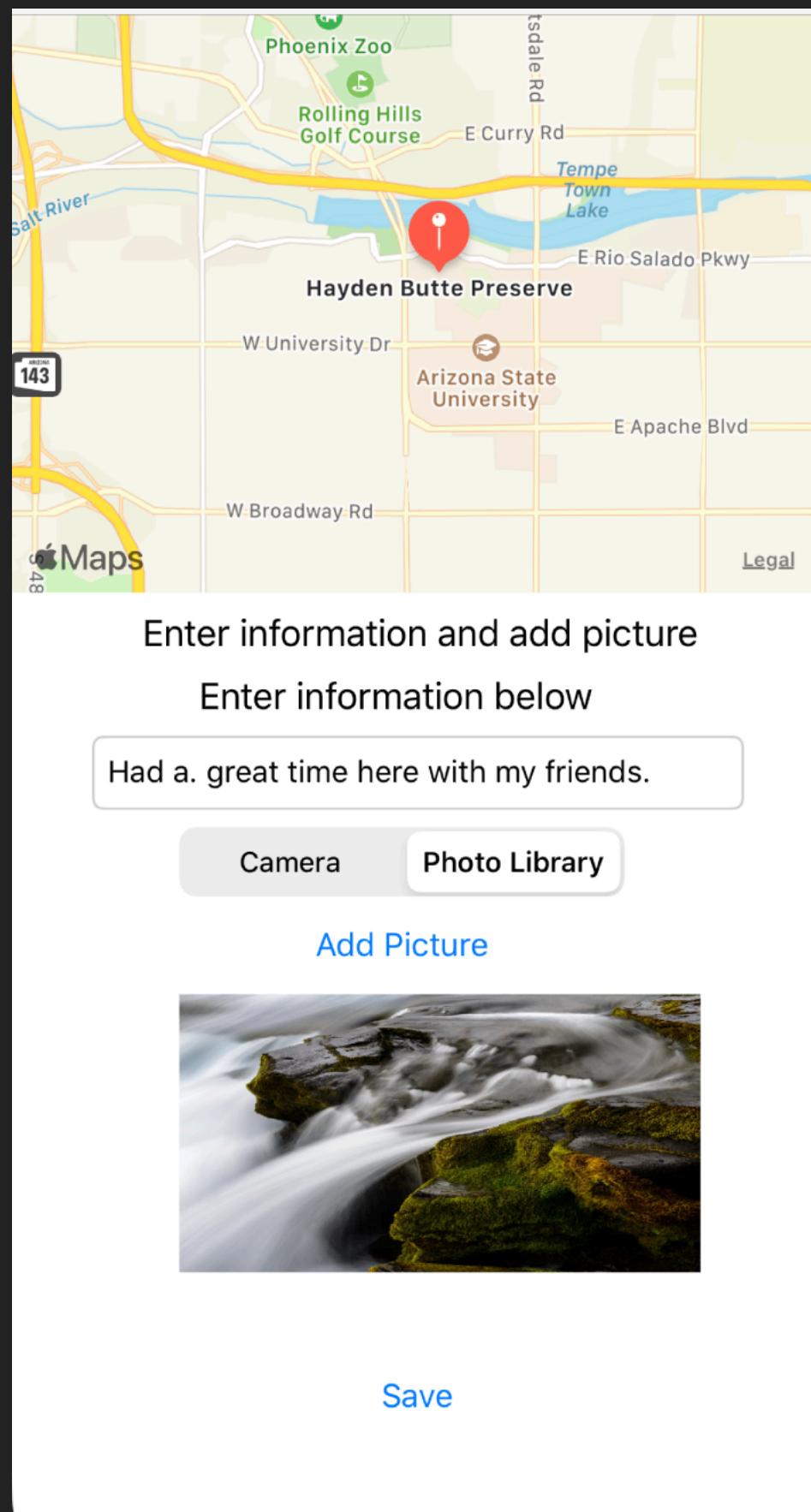
ADD A PHOTO FROM CAMERA OR PHOTO LIBRARY

- ▶ Uses image picker view.
- ▶ After clicking Add Picture, based on selected segment in the Segmented Controller, proceeds to add picture.
- ▶ If Photo Library was selected and Add Picture was pressed it would take the user to the photo library to choose image.



DATA IS STORED IN CORE DATA

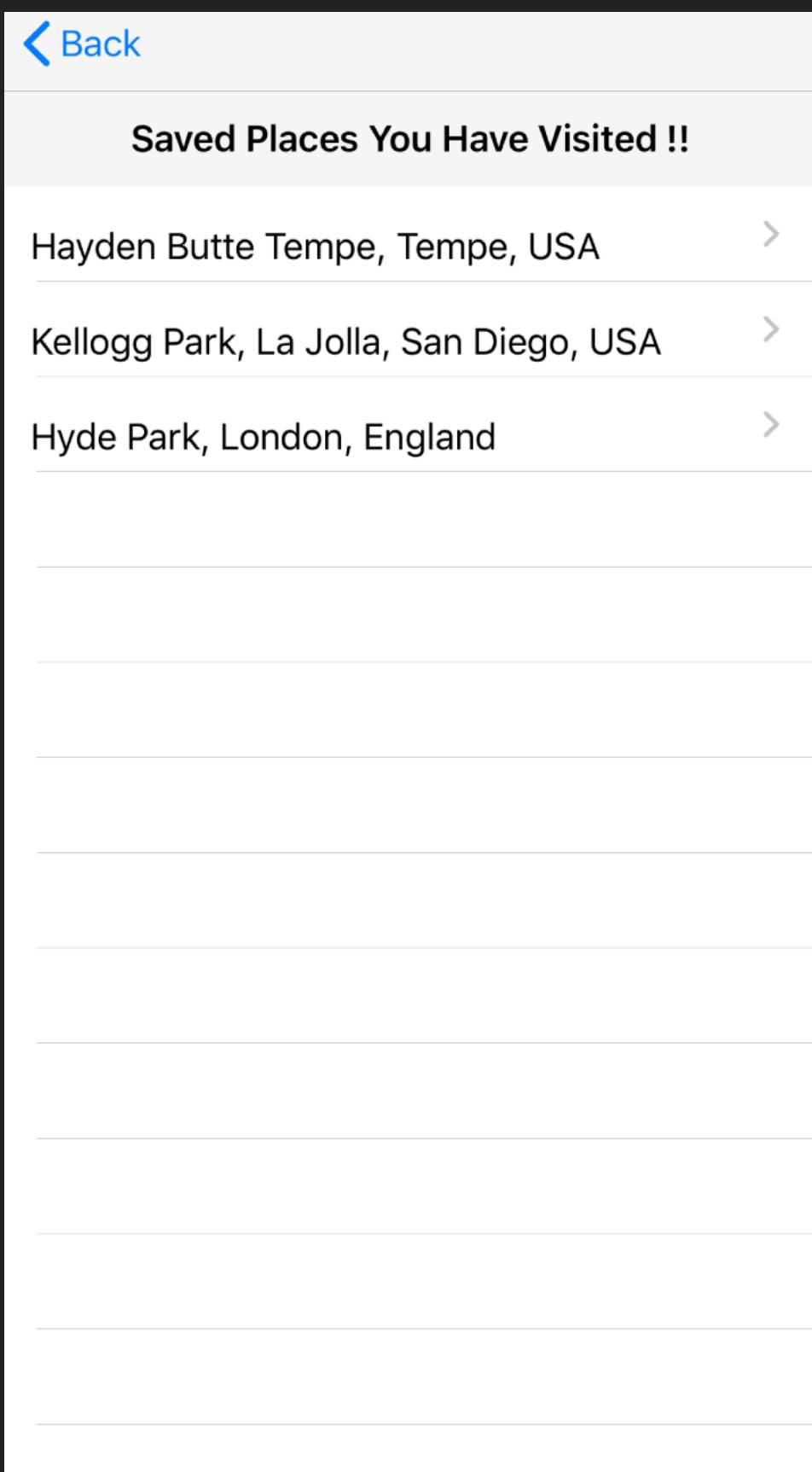
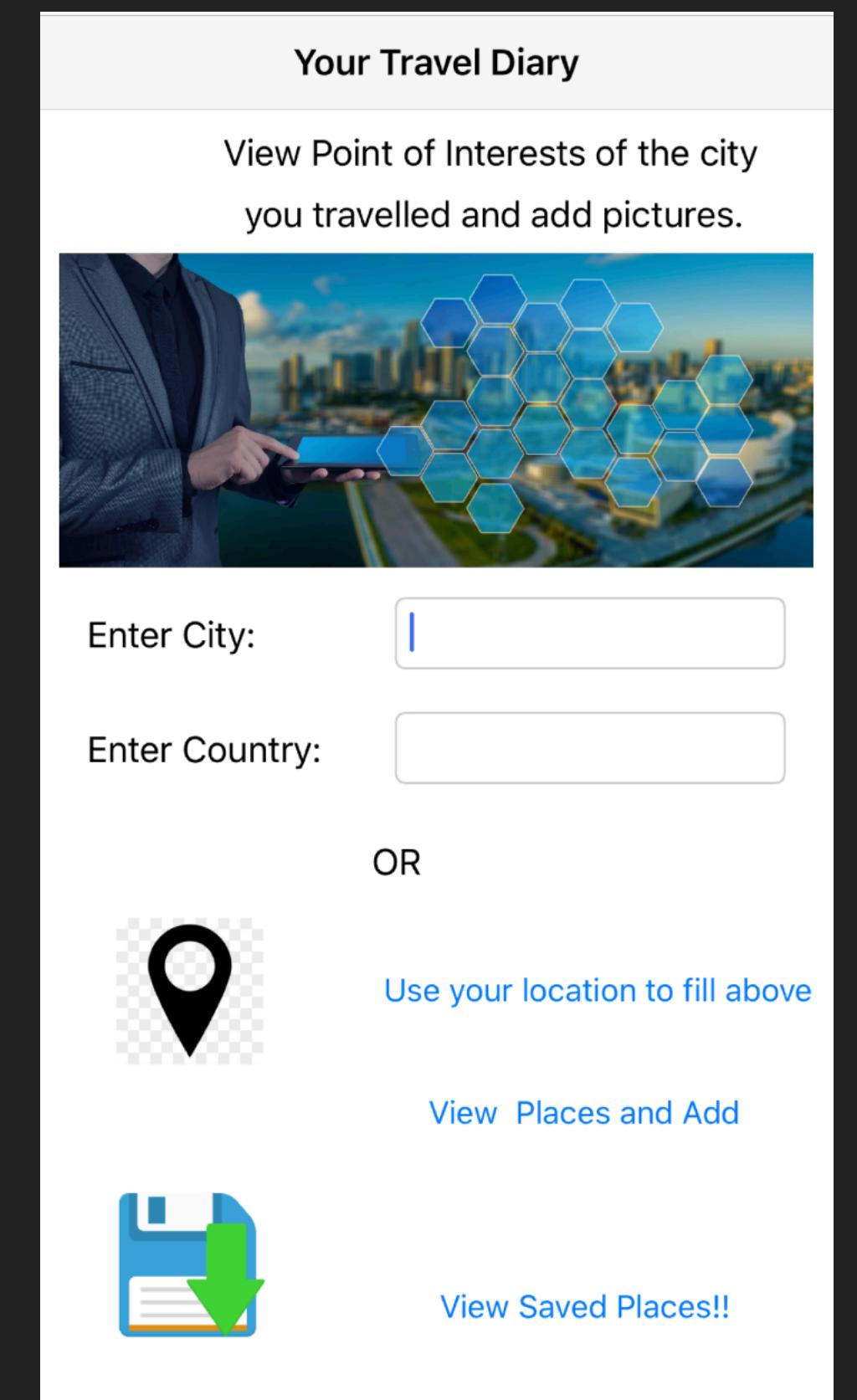
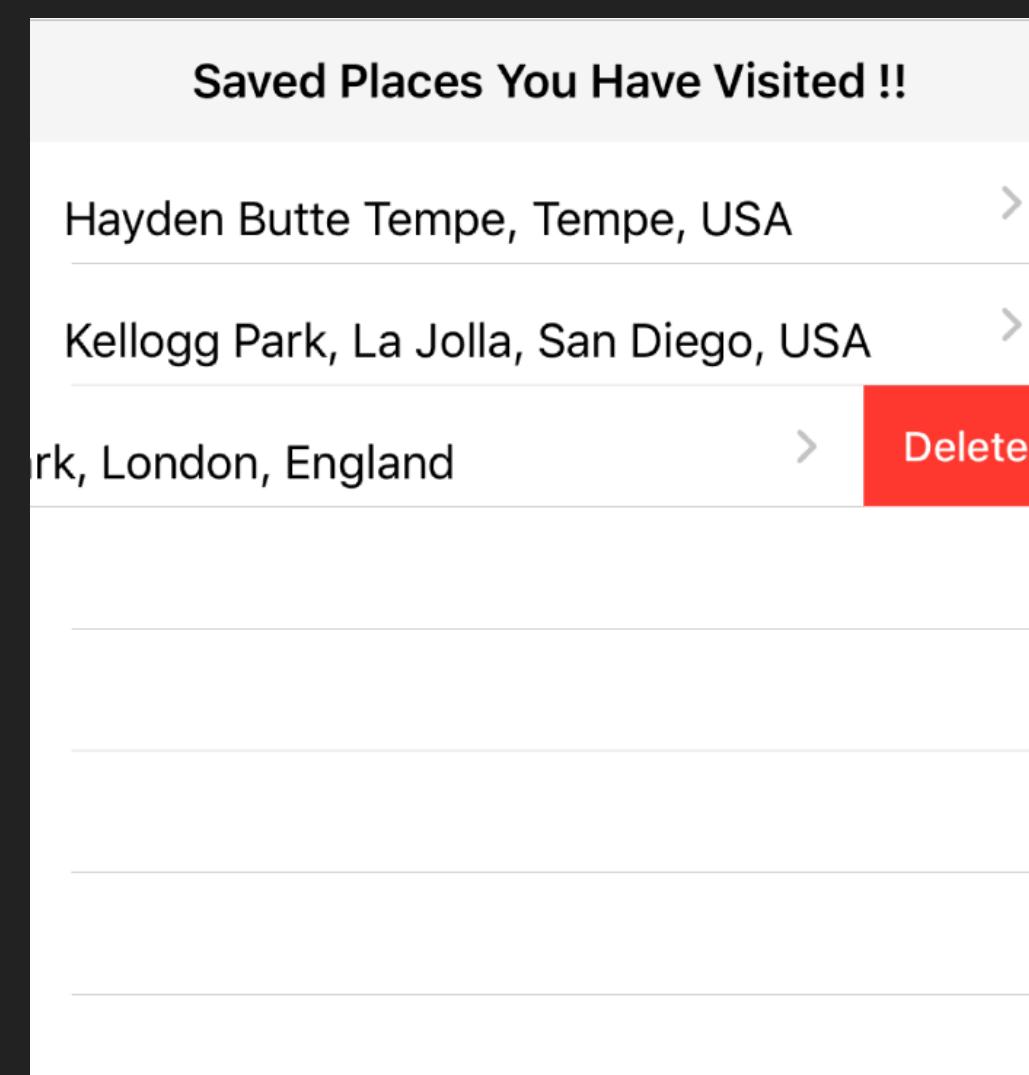
- ▶ After save is pressed, the data is stored in the form of Entity with having three attributes i.e Name of Place, Photo and Comment about the photo.



CAPABILITIES

VIEW SAVED PLACES IN CORE DATA IN THE FORM OF TABLE VIEW

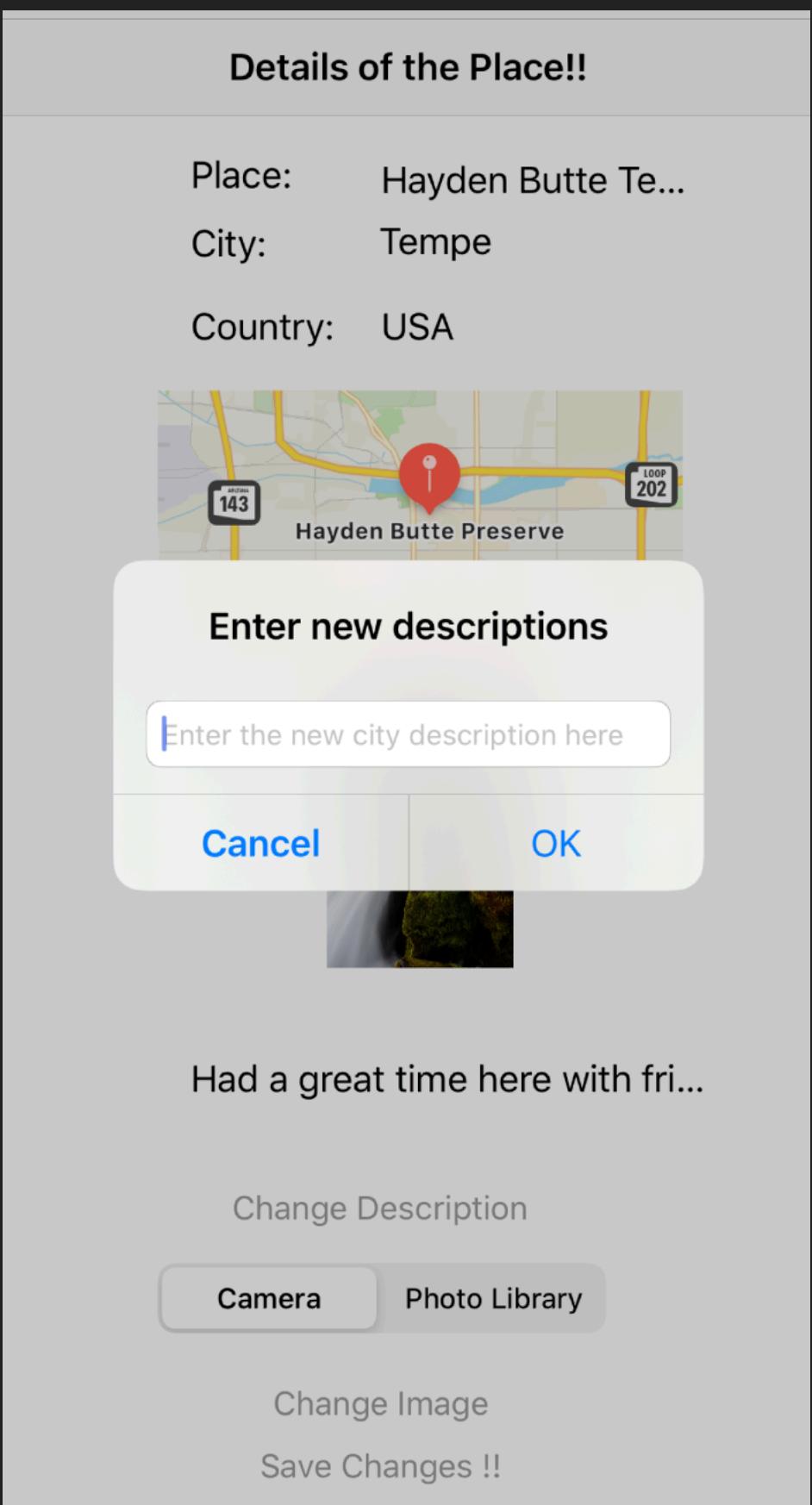
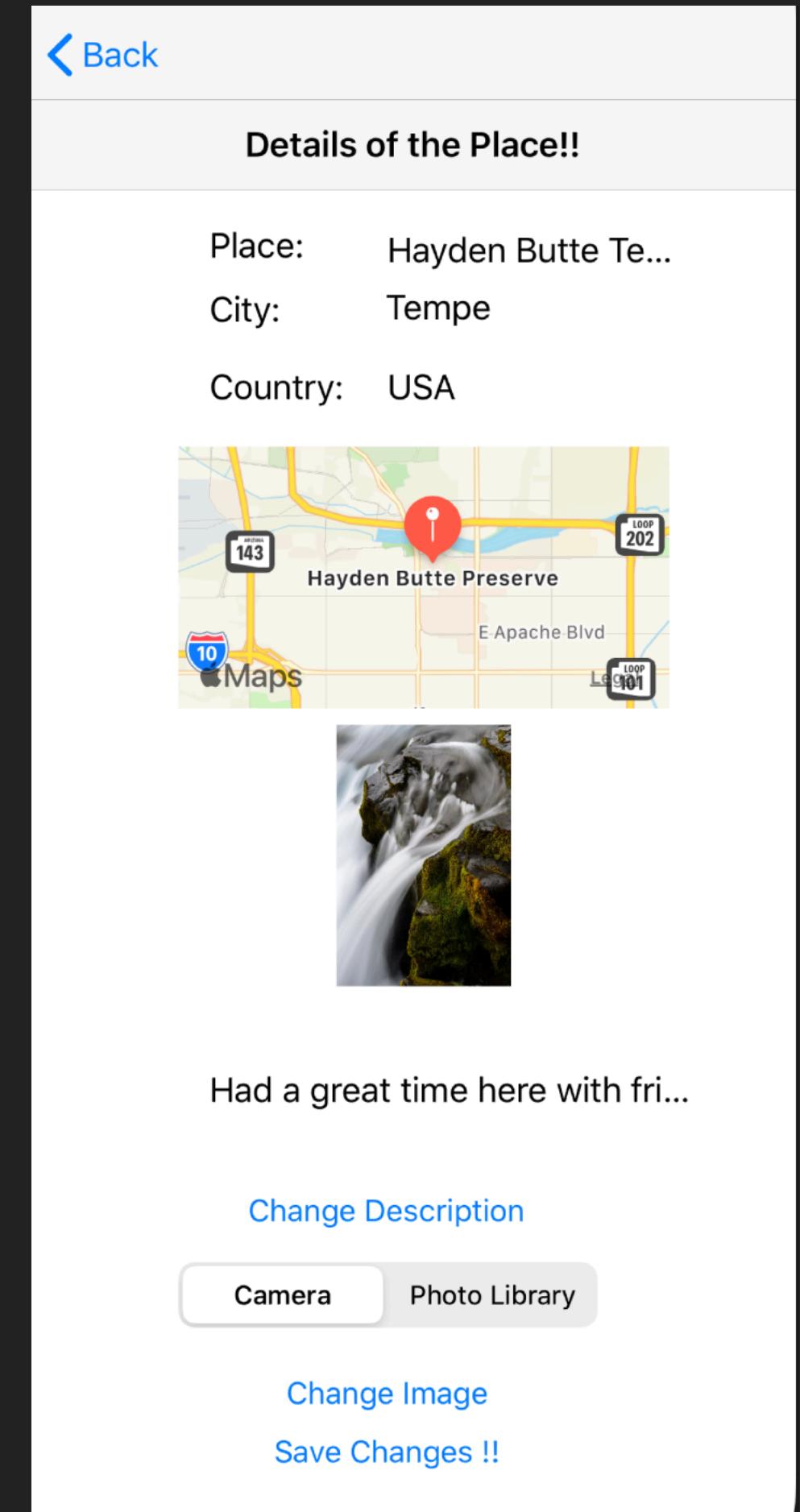
- ▶ After pressing View Saved Places, user can view the saved places in the form of table view and click on each cell to view their respective picture and Information.
- ▶ The user can also swipe left on the cell to delete an entry.



CAPABILITIES

VIEW, EDIT, DELETE SAVED DATA

- ▶ The user can view what user saved.
- ▶ The user can change description or change image the same way user added image.
- ▶ User can save changes in core data.



LIMITATIONS OF THE PROJECT

- ▶ API Call results limited to a certain number and a certain city not locality unless the user modifies city name to include locality and city in city column.
For ex - Enter City : La Jolla, San Diego where La Jolla is a locality and San Diego is a city.
- ▶ Speed of saving the core data: It takes a while saving a new city in core data. It takes approximately 5 to 6 seconds.
- ▶ Annotations on Map may pin somewhere else based on different locations found on Apple Maps with same name.

LESSONS LEARNED FROM THIS PROJECT

- ▶ Start project on time otherwise you would not be able to give good output and have a few sleepless nights completing the project.
- ▶ Building an app takes a lot of effort and apps we make in the class are no where near as good as apps like FaceBook, Whatsapp, etc.
- ▶ Technical lessons:
 - a. How to make an API call using API key and Google API.
 - b. Always connect the tableView object to showDelegate and the second option otherwise you will waste a lot of time figuring it out.

SUGGESTIONS

SUGGESTIONS FOR THE CLASS/PROJECT

- ▶ The pre req should be CSE310. Although I am a senior but it might be difficult for Sophomores.
- ▶ Class should include more technical stuff as taught in Stanford (iTunes University Videos) like how to change keyboard options to click done instead of return, etc.