

## **Software Engineering Term Project**

# ***TravelBuddy***



### ***Team Members:***

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Discovering unknown natural and cultural places is one of the biggest problems while visiting a foreign country or city. Although popular cultural places such as museums are easy to find, finding a natural places or unknown cultural places is challenging.

With this project, we are aiming to help people while they are discovering new countries or even their own county, however, we will mainly focus on Turkey. Especially we will start from Istanbul, and then we will add cities one by one. With our system, users will be able to see or discover which places are nearby to visit or they will find the interesting places via searching through tag's and photos. Also we will reach the location of the user. With this information, our project will find the possible closest place with chosen tag and also we want to find the distance to that point and possible route. Our project will help users to discover beautiful natural places that are worth to visit. So users will be able to explore the country, not just by their known places but also with their cultural beauties and the unknown beauty of country.

### ***With this project***

1. Users will be able to login to system with e-mail or cell-phone
2. Users will be able to publish a content which can include some explanations or pictures
3. Users will be able to communicate with each other via personal messaging so they will be able to ask questions in order to fulfill their interest about the places that they want to visit
4. User can able to find places easily with GPS information
5. With the location information of the user, we want to find possible closest path and distance
6. When a user decides to publish a pictures, the system will offer the tags by looking at the picture and listing the objects and properties in the picture
7. With the tagging system, users will be able to choose their focus while they want to discover a new place

### ***Technical details***

1. We are planning to provide this project on Android devices in order to reach wide crowd
2. We are planning to use pre-trained YOLO(You Only Look Once) model for tagging system
3. We are planning to take some permission from user such as GPS information, etc.