

CS102**Fall 2021 / 2022**

Instructor:

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CS102

Section

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A mobile app to track how crowded the various cafes in Bilkent University. The app uses user location data to calculate how busy the place is. We use user location and the coordinates of the place to identify if the user is in the vicinity of the cafe. The user also gets notifications when they enter/leave the place. Users can give feedback about whether they are actually in the cafe by answering the question in the notification. The app will feature a suggestion algorithm that will suggest less crowded and nearer places to the user.

The app will also feature a user profile system. Users can create a profile for themselves to connect with their friends. With the profile system, we can show the user where their friends are and include this information in the suggestion algorithm.

The app will run on android devices; it will use real-time user location information gathered from androids location services and will feature a notification system that the user interacts actively with. We will use a database to store cafe and user locations remotely and make the calculations.