Diego Cabo, Lucia Zayas

ParkFinder

Workspace

Github:

- Repository: https://github.com/diegocaboj/MAD2024_DiegoCabo_LuciaZayas
- Releases: https://github.com/diegocaboj/MAD2024_DiegoCabo_LuciaZayas/releases
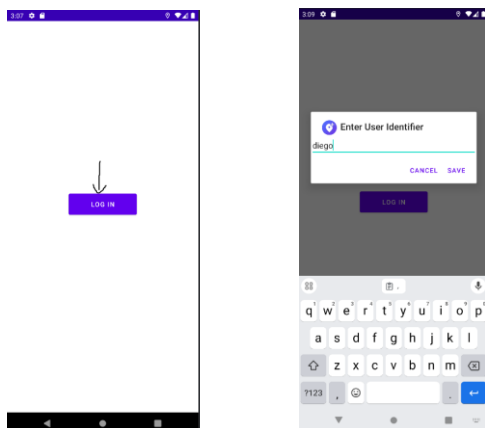
Workspace:
https://upm365.sharepoint.com/sites/MobileAppDevelopment_DiegoCabo_LuciaZayas/SitePages/CollabHome.aspx

Description

ParkFinder is an application focused on parking in Madrid. It features a map that shows parking locations and your current location. On this map, there is a button that tells you which parking lot is closest to you. ParkFinder also keeps a history of your locations and provides information about the parking lots, such as the street name where they are located, the price, the number of spaces, etc. It stands out from many other applications because you can use it without having to keep your location active, thanks to a feature that allows you to manually enter coordinates and a maximum distance. All the parking lots within that distance from the specified location will be displayed.
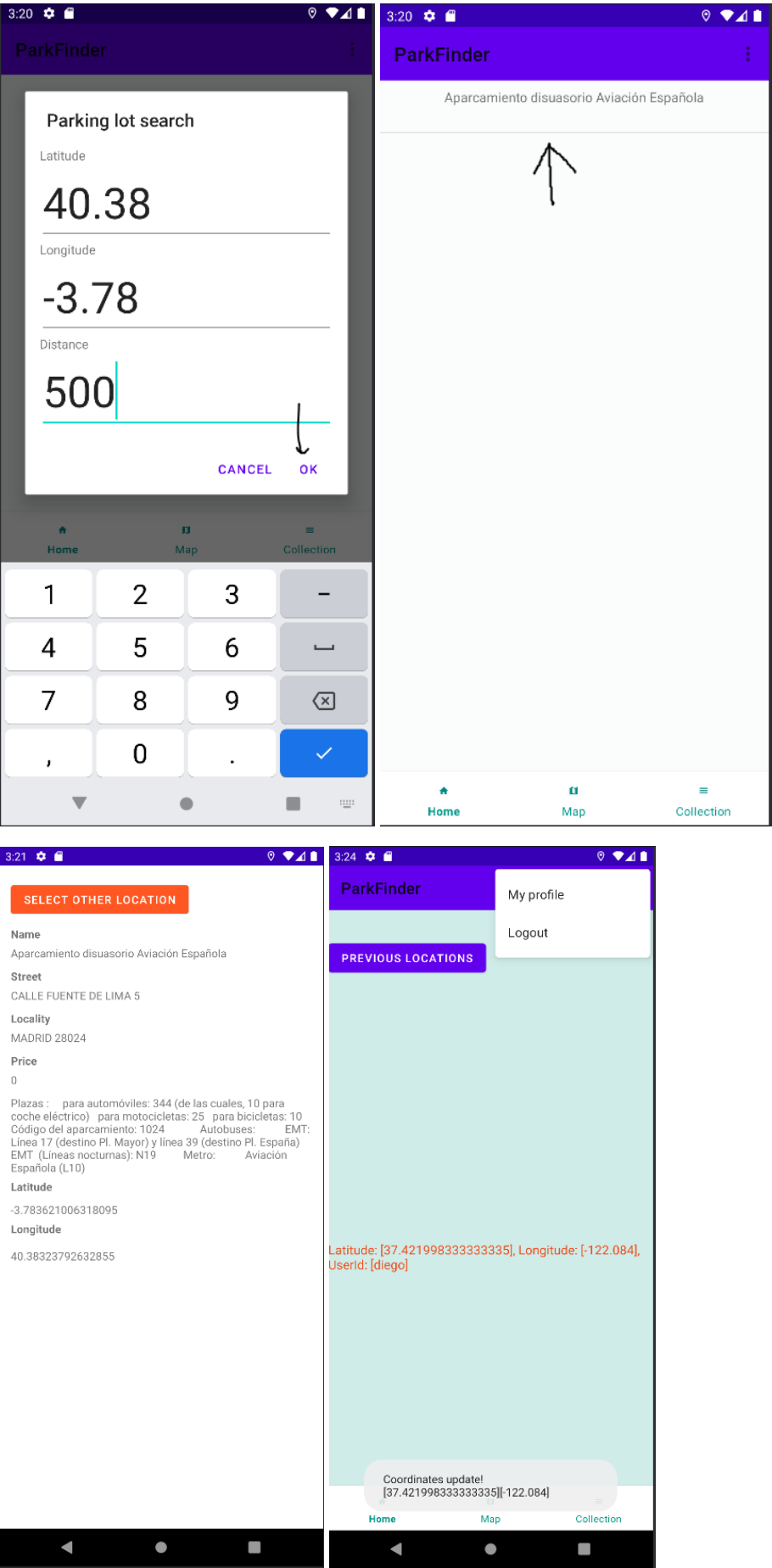
Screenshots and navigation

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Date/time	Latitude	Longitude
2024-03-27 01:25:29	37.421998	-122.084000
2024-03-28 05:40:48	37.421998	-122.084000
2024-03-28 05:41:04	37.421998	-122.084000
2024-03-31 01:20:46	37.421998	-122.084000
2024-03-31 18:09:10	37.421998	-122.084000
2024-03-31 18:17:39	37.421998	-122.084000
2024-03-31 18:19:35	37.421998	-122.084000
2024-03-31 18:46:59	37.421998	-122.084000
2024-03-31 18:48:39	37.421998	-122.084000
2024-03-31 18:56:04	37.421998	-122.084000
2024-03-31 18:56:11	37.421998	-122.084000
2024-03-31 18:56:33	37.421998	-122.084000
2024-03-31 19:03:18	37.421998	-122.084000
2024-03-31 19:13:18	37.421998	-122.084000
2024-03-31 20:36:36	37.421998	-122.084000
2024-03-31 21:02:41	37.421998	-122.084000
2024-03-31 21:02:41	37.421998	-122.084000
2024-03-31 21:03:45	37.421998	-122.084000
2024-03-31 21:05:05	37.421998	-122.084000
2024-03-31 21:11:54	37.421998	-122.084000

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Demo Video

Features

How To Use

This application is aimed at residents of Madrid, but in the future, it will be available to more citizens across Spain. It is compatible with the vast majority of mobile devices.

Guide:

1. Log in by clicking on "Login".

2. Enter your username.

3. If you have location services enabled, click on the map and then click the "Which parking is closest" button to see which parking lot is nearest to you.

4. If you do not want to or cannot enable your location, click on "Collection" and enter coordinates and the maximum distance for which you want to search for parking.

5. Click on the parking lots to get more information.

6. To delete a location, click on "Home", then "Previous Locations", select one of them, and click "Delete Item".

7. You can view your profile information by clicking the three dots in the top right corner of the home screen and selecting "My Profile", or you can log out by clicking "Logout".

Participants

List of MAD developers:

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Releases