

App Name: PhotoAtlas

Team Name: Spark

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Game Details

PhotoAtlas is a mobile application which displays the photograph at its captured location on the world map. This is a multipurpose application using which users can take the picture, view the pictures taken during a particular trip on the map along with the route travelled and upload the trip album to Facebook.

User can create trips from the existing photographs in the phone and view them at their captured geographical location on the map (provided that the location service was turned on when the pictures were taken).

It uses the location services and camera device of the phone. There may be privacy concerns but a user will have options to filter content before sharing publicly.

Why this App is necessary:

- This app provides a seamless way to capture people's experience along with other information for their future recollection or joy.
- By placing all the photos on the map and along with the itinerary, it is an interesting for folks to preserve their history.
- Helpful to write blogs and story on the trip.
- Sync the entire trip photos to Facebook.

What did not go well?

- Retrieving GPS information from Exif header.
- Maintaining data consistency and freshness between DataContext of database and DataBinding object. We resolved this by using Observable collection and setting ItemSource to null.

Missing Features?

All the features proposed are implemented and nothing is missing.

How to use the App?

The first page is a panorama page, displaying a sample trip on the panorama items titled "by map" and "by name".

How to create new trip

- Create a trip using "new trip" button.
- Give a name to the trip and submit.

- You may use the existing pictures in your phone to be added to a new trip created.
- Choose the start date time and stop date time of the existing photos you want to the new trip.

How to take picture

- After creating a new trip you may take pictures using the “camera” button provided in the app or the built-in phone camera.
- From next time onwards no need to reopen this app to take pictures for the same trip. You may directly use the built-in phone camera. In order to view the pictures you can reopen the app and see those.

How to change View Mode – Road/Aerial

- Tap on the “mode” button in the app.

How to upload photos to Facebook

- There are two ways
 - Press and hold the trip’s thumbnail picture on the main page and tap “upload trip to facebook”.
 - Tap on the menu item/three dots and tap “upload trip to facebook”.

How to delete Trip

- There are two ways
 - Press and hold the trip’s thumbnail picture on the main page and tap on “delete trip”.
 - Tap on the menu item/three dots and tap “delete trip”.

