

IPhone Software Engineering

Assignment 2

Report

Event Planner

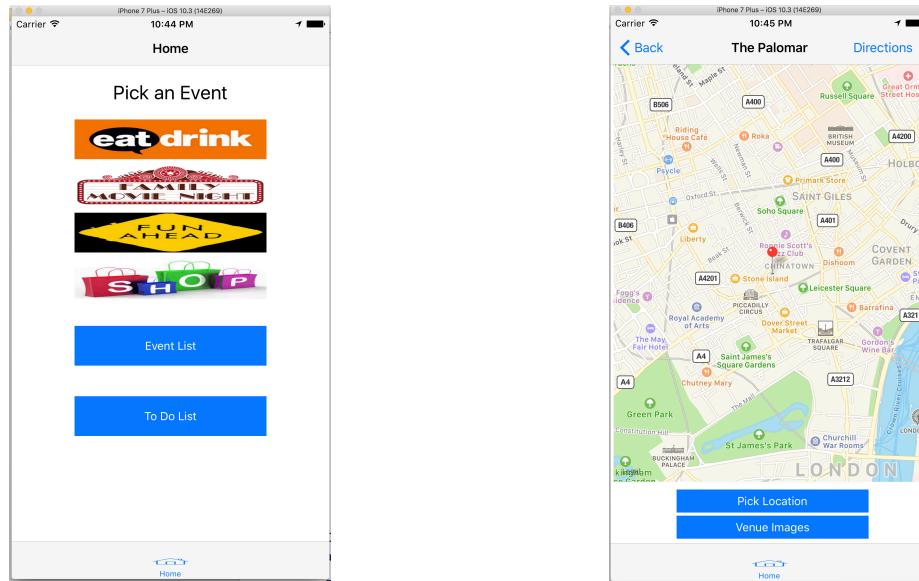
Group Members:

s3590683 – **Zaid Aslam Shaikh**

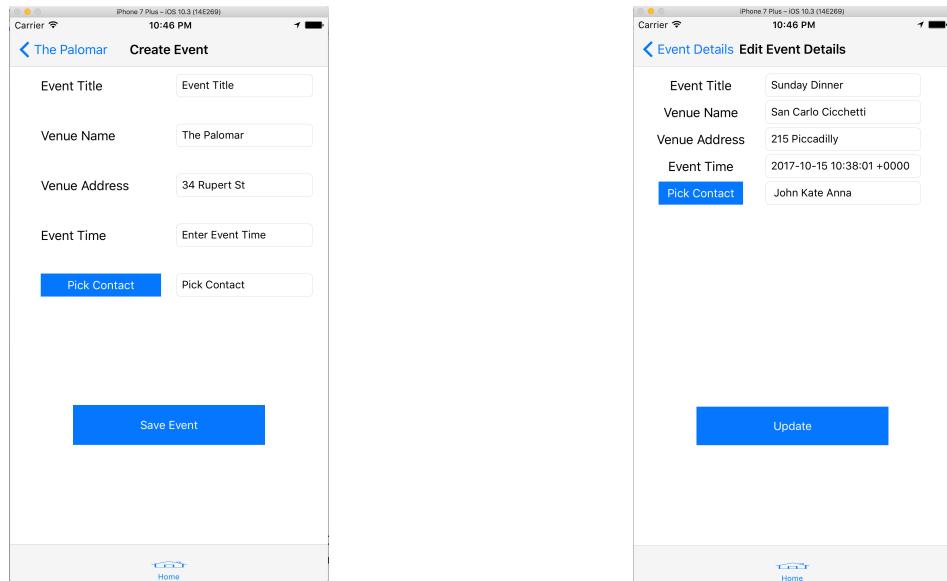
s3587683 – **Swapnil Guha**

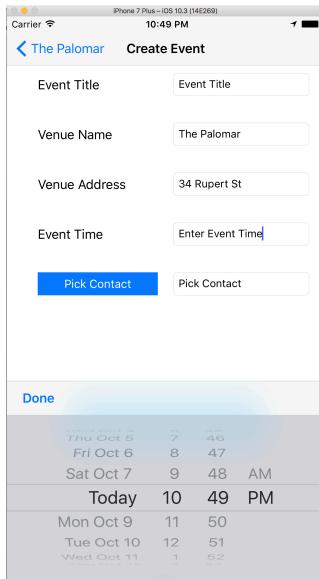
1. Design Principles:

- Contrast:



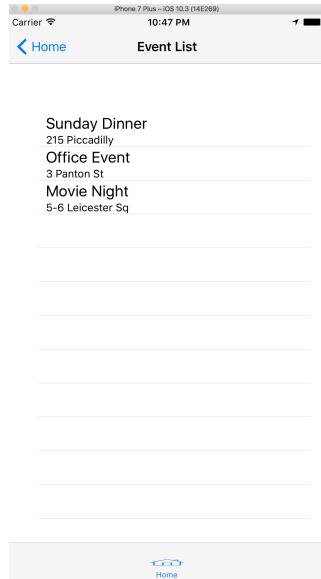
- Repetition & Alignment:





As shown in the Screenshot above consistent use of color scheme and alignment throughout the app adhere to the repetition and alignment design principles.

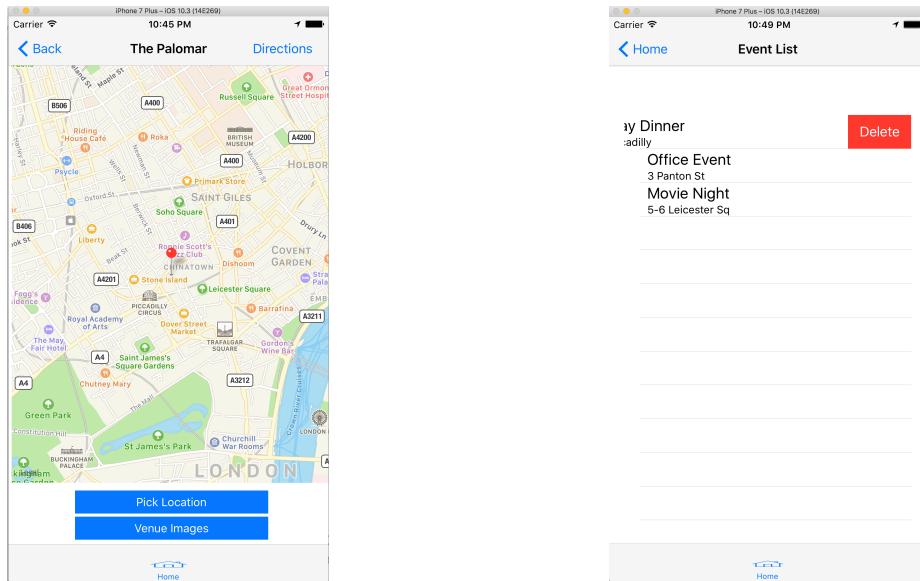
- Proximity:



You're at Piccadilly Circus.	
The Palomar	150m
34 Rupert St	
San Carlo Cicchetti	92m
215 Piccadilly	
Ole & Steen	119m
2 St. James Market	
Kricket	134m
12 Denman Street	
Milos	208m
1-3 Regent St	
Klin	216m
58 Brewer St	
Kanda-Ya	123m
3 Panton St	
Burger & Lobster	186m
10 Wardour St	
Xu	143m
30 Rupert St	
Arang	283m
9 Golden Sq	
Babaji Pide	224m
53 Shaftesbury Av	
Mele e Pere	218m
46 Brewer St	

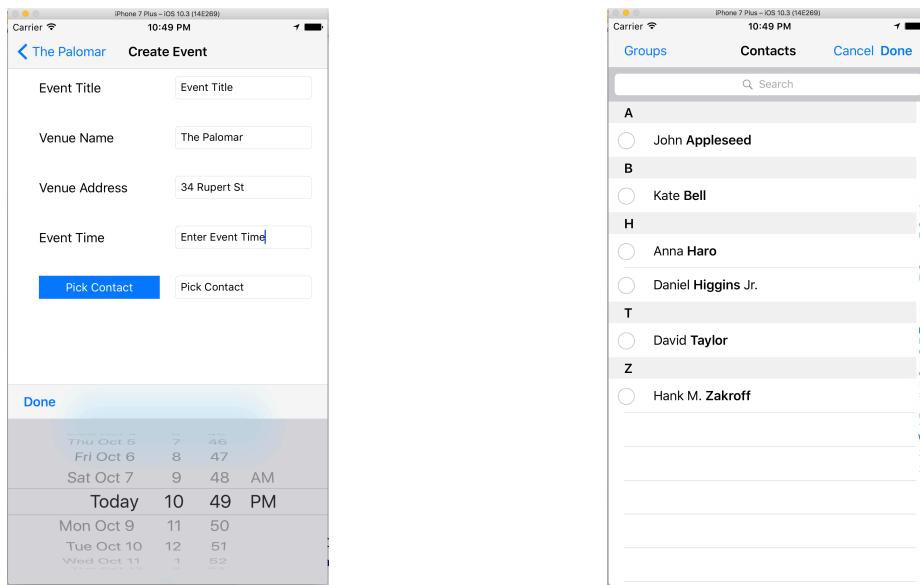
Placement and Grouping of Closely related data in our app as shown above adhere to proximity design principle.

- Clarity:



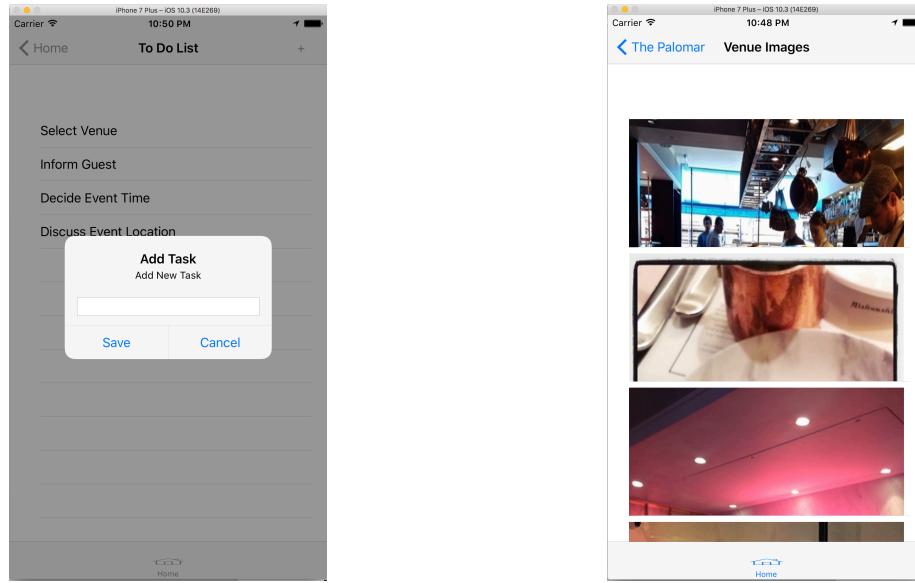
Our app has simple consistent and clutter free user interface throughout the app.

- Depth



Our UI to add contact and set time provides an engaging and satisfying user experience.

- Deference



Our App is designed in such a way that user can focus on current activity without getting distracted so that user can perform task in hand more efficiently and effectively. Home button at the bottom provide easy navigation to the user.

2. Design Pattern

- Delegation:

Classes: Implemented in EditDetails.swift, MeetController.swift, MeetingListController.swift and MeetDetails.swift

Protocol: Implemented in DatabaseDelegation.swift

Protocols: Implemented Protocols are Save, Delete, Fetch and Edit

- MVVM:

Classes: Implemented in ImgController.swift, UIImageView.swift and imgCell.swift.

3. CURD Operation (CoreData):

- Create Operation: Implemented in Create Event Scene using MeetController.swift where func save () is used.
- Update Operation: Implemented in Edit Detail Scene using EditDetails.swift where func updateDetails () is used.
- Retrieve Operation: Implemented in Meeting Details Scene using MeetDetails.swift where func getDetails ()
- Delete Operation: Implemented in Event List Scene using MeetingListController.swift where func delete () where user Swipe the cell to delete.

4. REST API Implementation:

Implemented in Scene NearbyList.Scene using ListController.Swift and in Venue Images Scene using ImgController.swift.

5. Coca Framework:

Implemented in Map View Scene using mapViewController.swift

6. Size Classes:

Implemented in Home Scene, Map View Scene, Create Event Scene, Meeting Details Scene and Edit Details Scene.

7. References

<https://cocoacasts.com/swift-and-model-view-viewmodel-in-practice/>

<https://blog.bobthedeveloper.io/the-meaning-of-delegate-in-swift-347eaa9674d>

<https://medium.com/@shawnbierman/how-to-add-core-data-to-an-existing-xcode-8-and-swift-3-project-508781b3e1c4>

<https://developer.foursquare.com/docs/api/venues/search>

<https://developer.foursquare.com/docs/api/venues/photos>

Appendix

Group Members	Contribution
Zaid Aslam Shaikh	50%
Swapnil Guha	50%