

## Subject to change

Logger	
- Maintain log of notifications	- Notifier
- Maintain DBProxy log	- DBProxy
Notifier (publisher subscriber / observer pattern)	
- Store subscribers	- Logger
- Add subscribers	- Message
- Remove subscribers	
- Notify subscribers with Message	
- Log to Logger	
Message	
- Store notification data <ul style="list-style-type: none"><li>- Content</li><li>- Date</li><li>- Organizer</li></ul>	- Notifier
DBProxy (proxy pattern)	
- Authenticate requests	- EventDB
- Route requests to corresponding firebase databases	- UserDB
- Log requests to Logger	- OrganizerDB
- Optional: cache common queries	- AdminDB
	- Logger
	- Optional: decouple into AuthenticationService
EventDB	
- Store events	- DBProxy
- Add events	- Event
- Read events	
- Update events	
- Delete events	

Event	
- Store event data <ul style="list-style-type: none"><li>- Name</li><li>- Description</li><li>- Time</li><li>- Place</li><li>- Poster</li><li>- Organizer</li><li>- Entrants</li><li>- Attendees</li></ul>	- EventsDB

UserDB	
-	- DBProxy - User

User	
-	- UserDB

OrganizerDB	
-	- DBProxy - Organizer

Organizer	
-	- OrganizerDB

AdminDB	
-	- DBProxy - Admin

Admin	
-	- AdminDB

MainActivity	
- Logic for UI rendering - Swap fragments on state change	- DBProxy - User - Organizer - Admin

SignInFragment	
- Renders UI	- MainActivity

SignInController	
- Handles logic	- MainActivity - DBProxy - User - Organizer - Admin

HomeFragment	
-	- MainActivity

HomeController	
-	- MainActivity

ProfileFragment	
-	- MainActivity

ProfileController	
-	- MainActivity

SettingsFragment

- MainActivity

SettingsController

- MainActivity

EventCreationFragment

- MainActivity

EventCreationController

- MainActivity

EventDetailsFragment

- MainActivity

EventDetailsController

- MainActivity

NotificationsFragment

- MainActivity

NotificationsController

- MainActivity

MapFragment

- MainActivity

MapController

- |   |                |
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| - | - MainActivity |
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QRScanFragment

- |   |                |
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| - | - MainActivity |
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QRScanController

- |   |                |
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| - | - MainActivity |
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AdminDashboardFragment

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| - | - MainActivity |
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AdminDashboardController

- |   |                |
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| - | - MainActivity |
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