

Logger	
<ul style="list-style-type: none"> <li>- Maintain log of notifications</li> <li>- Maintain DBProxy log</li> </ul>	<ul style="list-style-type: none"> <li>- Notifier</li> <li>- DBProxy</li> </ul>

Notifier (publisher subscriber / observer pattern)	
<ul style="list-style-type: none"> <li>- Store subscribers</li> <li>- Add subscribers</li> <li>- Remove subscribers</li> <li>- Notify subscribers with Message</li> <li>- Log to Logger</li> </ul>	<ul style="list-style-type: none"> <li>- Logger</li> <li>- Message</li> </ul>

Message	
<ul style="list-style-type: none"> <li>- Store notification data           <ul style="list-style-type: none"> <li>- Content</li> <li>- Date</li> <li>- Organizer</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Notifier</li> </ul>

DBProxy (proxy pattern)	
<ul style="list-style-type: none"> <li>- Authenticate requests</li> <li>- Route requests to corresponding firebase databases</li> <li>- Log requests to Logger</li> <li>- Optional: cache common queries</li> </ul>	<ul style="list-style-type: none"> <li>- EventDB</li> <li>- EntrantDB</li> <li>- OrganizerDB</li> <li>- Logger</li> <li>- Optional: decouple into AuthenticationService</li> </ul>

EventDB	
<ul style="list-style-type: none"> <li>- Store events</li> <li>- Add events</li> <li>- Read events</li> <li>- Update events</li> <li>- Delete events</li> </ul>	<ul style="list-style-type: none"> <li>- DBProxy</li> </ul>

Event	
<ul style="list-style-type: none"><li>- 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></li></ul>	<ul style="list-style-type: none"><li>- EventsDB</li></ul>