CyLife Block Diagram

Frontend

Views

Chat Activity
Admin Edit Club
Admin View Club Requests
Edit Club
Edit User
Admin Edit Events
Club Post Event
Join Club
Login
Signup
Student Request Club
Show Events
Club Welcome
Student Welcome

GUI
XML Layout Files

Communication

Volley

Request JSON Object/String

Request JSON Array

Helper Classes

Chat

Event

Websocket Manager

Backend

Communication

REST
Get | Post
Put | Delete

HIBERNATE
Save | Persist
Update | Merge

Controllers

User Controller

Event Controller

Club Controller

Responses

Queries

Database

Users
Login and user information

Clubs
Clubs with name and description

In/has

Organizations
Organizations with name and description

Events
Event time, date, location, associated club

Has