

# PD3 Block Diagrams and API

## Front End

(Multi Screen View)

### Views

- Login
- Stats Page
- Create User
- Lobby
- Game vs Users
- Game vs Bots
- Winning Screen
- Game Results
- Hand Ranking

GUI  
XML layout  
Files

Communication  
Volley

Request  
JSON String  
JSON Obj  
Request  
JSON Arrays

↑ general  
↓ relation

↑ general  
↓ relation

### Helper Classes

Requests	Const.
- login/logout	- get User()
	- set User()
- viewStats	- getStartTime()
- jsonArrayReq	- getWinLosses()
- jsonObjReq	- getChipCount()
	- getSessionID()
	- getWinnerUser()
	- getLobbyPlayers

## Back End

(Single screen view)

### Communication

Get Post

- get users/  
lobby players  
- PlayerStats

Delete

- deleteUser  
from game  
(leave lobby)

PUT

- create User  
- update User

Controllers

User

Player

AI

Admin

JDBC Connection to Database

Database

MySQL

Users  
- UserID (unique)

PlayerStats  
- stats ID  
- wins/losses  
- chipCount

Session  
- SessionID (unique)

Results  
- gameID (unique)

### Legend

⇒ JDBC Connection (Database)  
↔ general relationship  
→ HTTP Connection

- Users have access to their own stats and a session

- When the session is over all players can see the Results