

# Project Architecture + Dev Plan

Project Name: GainLoop

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## **Project Architecture :**

### **main components:**

- Server Side Logic
- Server Side DB
- App GUI
- Facebook SignUp

### Server Side Logic :

- client adds Gain's he is looking after
- client adds Gain's he can offer others
- client sends user details and the server stores them in the DB
- client can search the Gain's

### Server Side DB:

- Stores Gains, Links, User info

### App GUI :

- Will provide an easy way for the user to interact with the app.

### Facebook SignUp:

- User MUST signup the app with Facebook.

### **DEV Tools:**

- Server Side Logic = PHP + Zend Framework
- Server Side DB = MySql
- App GUI = Android
- Facebook SignUp = Facebook Android SDK

### **Integration :**

We will use JsonRPC for the Client-Server side Communication.

### **Main Models:**

- Users - Our app users
- Gain - Each gain will have "give" user or "get" user

- Links - A gain that connected two users (user1 give to user2)
- Loops - All the loops that the links create between the users
- Tags - The gains tags
- Categories - The gain category

**DEV Plan :**

22/6 = Complete Server Side Functionality + DB config

15/7 = Complete App Android GUI + Facebook Login

10/8 = Complete integrations between all the components

22/8 = Complete Testing

2/7 = Complete improvements + regression testing