

Welcome to our coding challenge, hope you enjoy it!

We are building our brand new social service. The service have users that can request friendship to other users and offers an HTTP API to do so.

## Requirements

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- Code in a public GIT repository and developed using TDD. No Excuses!
- No database needed, you can persist everything in memory.
- You can implement the API using Go, Java, Node.js with the desired framework , preferably using Go or Java which are the most used languages in our team.

### •Sign up

- A new user requests to register to our service, providing its username and password.
- Username must be unique, from 5 to 10 alphanumeric characters.
- Password from 8 to 12 alphanumeric characters.

### •Request friendship

- A registered user requests friendship to another registered user.
- A user cannot request friendship to himself or to a user that already has a pending request from him.

### •Accept friendship

- A registered user accepts a requested friendship.
- Once accepted both users become friends forever and cannot request friendship again.

### •Decline friendship

- A registered user declines a requested friendship.
- Once declined friendship can be requested again.

### •List Friends

- List friends of a registered user.

We expect from you to apply good practices and be proud of what you do. Good luck!