

# Sportsbet fullstack test assignment

---

Hello! Thank you for considering YOLO as your next job! Sportsbet team is looking forward to start work with you. Hopefully everything will go well. Here is a task description.

## Create client-server web application to showcase some sports events

---

1. Create web page with UI looking more or less similar to preview.png.
2. Create graphql server which will power this UI.
3. Consume data from websocket endpoint provided.

### UI

- UI should fetch data from graphql server and subscribe for updates
- UI should handle some edge cases (some data could be missing at some point etc)
- Exact colors, fonts and sizes are not important
- Please use React, Typescript and any Graphql client for queries and subscriptions

### Graphql server

- Design a schema out of data you'll fetch from websocket connection for it to be easily consumed by your UI
- It should provide a query to power the UI
- It should provide a subscription to send updates to UI
- It should consume data from our websocket endpoint
- Libs, frameworks, data storages are up to you

### Websocket endpoint

- You'll receive some sports events data via this endpoint
- Connection url `sb-ws-mock-api.herokuapp.com?username=youruser&password=yourpassword`
- `youruser` and `yourpassword` will be provided separately
- To fetch initial data and start receiving updates trigger recovery by sending a message with payload `{"type": "recovery"}`
- Recovery messages have format `{"type": "event-data", "payload": "json data describing event here"}`
- Update messages have format `{"type": "event-update", "payload": "json data describing event here"}`

You can put your solution either in one monorepo or in two separate git repositories. Would be awesome if you dockerise everything but it's not mandatory.

In case of problems or questions do not hesitate to contact us via your hiring manager.

Good luck!