

Magpie project design

1. Create and design the Magpie project, follow [this step](#)
2. In the file *package.json*, change the "node" version to

```
"node": "^16.x",
```

3. In the file *src/magpie.config.js*, set the correct configurations according to the server you set (here using *Heroku*, where an app has been created with url: *cui-test-3.herokuapp.com*)

```
export default {  
  // The following 3 lines can be obtained in *cui-test-3.herokuapp.com* by clicking the Edit in the experiment you created  
  experimentId: '1',  
  serverUrl: 'https://cui-test-3.herokuapp.com/',  
  socketUrl: 'wss://cui-test-3.herokuapp.com/socket',  
  // this will be used in prolific mode  
  completionUrl: 'https://...',  
  contactEmail: 'cui.ding@uzh.ch',  
  // Either 'debug', 'directLink' or 'prolific'  
  mode: 'directLink',  
  language: 'en'  
};
```

4. Upload the project to Github. Make sure the file *deploy-to-gh-pages.yml* exists in the folder *.github/workflows/* so that the Github can automatically build the experiment and commit the output to the *gh-pages* branch. Once you enable GitHub Pages for your repository, GitHub will make the latest version of the *gh-pages* branch available publicly, see [here](#)

Deploy server

Heroku (online)

1. Clone the repository: <https://github.com/magpie-ea/magpie-backend#deployment-with-heroku>
2. In the `heroku-deploy.sh` file, change the line 15 `heroku addons:create heroku-postgresql:hobby-dev` to `heroku addons:create heroku-postgresql:mini` (the *mini* can also be *basic* etc. depending on the [plan](#) you choose).
3. Then run the script with `sh heroku-deploy.sh cui-test-3 USERNAME PASSWORD` (the *USERNAME* and *PASSWORD* can be different from the ones you log in Heroku). You will be prompted to the app with link [*https://cui-test-3.herokuapp.com](https://cui-test-3.herokuapp.com)
4. In the app you can create new experiment and get the following parameters for the `magpie.config.json` file above by clicking *Edit*:

```
experimentId: '1',  
serverUrl: 'https://cui-test-3.herokuapp.com/',  
socketUrl: 'wss://cui-test-3.herokuapp.com/socket',
```

Docker (local)

1. In the file `src/magpie.config.js`, set the correct configurations:

```
export default {  
  experimentId: '1',  
  serverUrl: 'http://localhost:4000/',  
  socketUrl: 'wss://cui-test-3.herokuapp.com/socket',  
  // this will be used in prolific mode  
  completionUrl: 'https://...',  
  contactEmail: 'cui.ding@uzh.ch',  
  // Either 'debug', 'directLink' or 'prolific'  
  mode: 'directLink',  
  language: 'en'  
};
```

2. Follow the steps in this [link](#). Be aware that when you run `docker-compose up` you don't have to wait till it finishes before you visit `localhost:4000` in your browser.

Host on Github pages

Host only one experiment

Make sure the project folders and files are under the root directory before pushing to Github. In the repo, go to *Settings-Pages-Branch-choose gh-pages* and then *save*. Refresh the page after a few minutes and you will get the link to your experiment, which will be the link sent to the experiment participants. Optionally, you can custom the domain name in the *Custom Domain* on the same page.

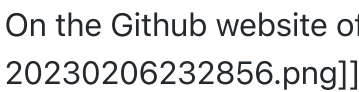
Host multiple experiments in the same repository

1. In the root directory, create `experiments/` folder, and put each experiment subfolder (e.g. `pilot-01/` , `pilot-02/`) in it.
2. Replace the content of the file `deploy-to-gh-pages.yml` in `.github/workflows/` with the code in this [link](#), and change the following part in the code according to your directory structure:

```
strategy: matrix: folder:
  - experiments/pilot-01/
  - experiments/pilot-02/
# ...
```

3. Change the following part in `vue.config.js` in each subfolder, e.g. for `pilot-01/` :

```
publicPath:
  process.env.NODE_ENV === 'production'
    ? '/YOUR_REPOSITORY-NAME/experiments/pilot-01/'
    : '/'
```

4. On the Github website of your repository, go to *Settings-Actions-general* , and choose the following option:  20230206232856.png]]
5. Go to *Settings-Pages-Branch-choose gh-pages* and then *save*. The experiments will then be hosted at `https://your-organisation.github.io/your-repository/experiments/pilot-01/` and `https://your-organisation.github.io/your-repository/experiments/pilot-02/`

Manage the experimental results

1. Go to <https://cui-test-3.herokuapp.com> and log in.
2. Click *RETRIEVE* CSV and the csv file will be downloaded. Note that all the data from the participants will be all included and appended in this csv file.