Remote command mobile app

Your task is to create a simple remote commands execution app.

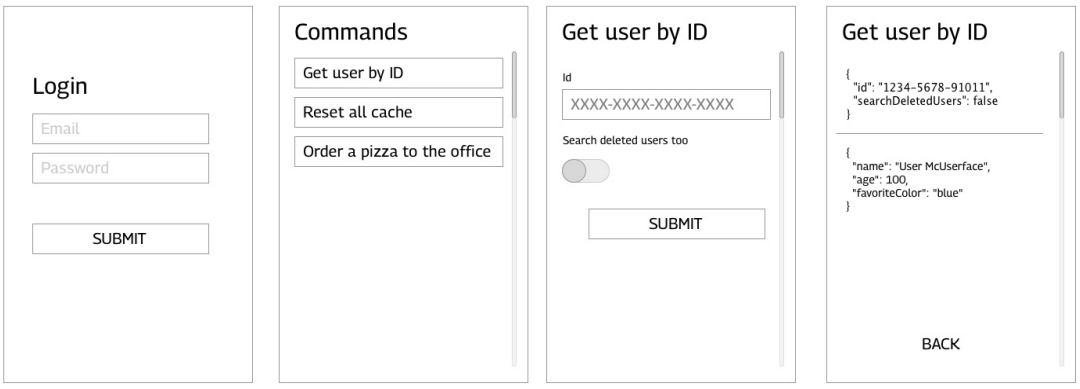
A command, is a REST call to an endpoint with a POST payload (json).

The scenario is a developer who wants to have the ability to execute remote functions on a server, from the mobile device, for a real-time support.

Screens

This app have 4 screens:

1. Login screen - name a password, if the email and password are correct, the user see a list of all the possible commands.
2. Commands screen - A list of all the commands, once clicked, you'll be passed to the parameters screen.
3. Parameters screen - A dynamic form, that lets you edit the parameters that are sent to the command execution endpoint.
4. Execution results screen - Upon a successfull execution, it shows the result that the command returned



API Endpoints

/login

a POST request with email and password. If the combination is correct, you'll get a valid token with an expiration date. If not - returns an error.

Request

```
{
  "email":"my@email.com",
  "password":"p@$$w0rd"
}
```

Response (success)

```
{
  "success":true,
  "token":"%TOKEN_STRING%",
  "expiration": "Thu Dec 1 2017 00:00:00 GMT-0500 (EST)"
}
```

Response (failed)

```
{
  "success":false,
  "error": "Wrong email/password combination",
  "errorCode": 1000
}
```

/commands

a POST request that retrives the list of the possible commands.

Notice that in the param section, the field type can be "text", "number" or "boolean"

Request

```
{
  "token": "%TOKEN_STRING%"
}
```

Response (success)

```
{
  "success":true,
  "commands": [
    {
      "name": "getUserDetailsById",
      "displayName": "Get User Details",
      "description": "Get a user info by the user id",
      "params": [
        {
          "name":"id",
          "displayName": "Id",
          "placeholder": "XXXX-XXXX-XXXX-XXXX-XXXX",
          "type":"text",
          "initialValue": ""
        },
        {
          "name":"searchDeletedUsers",
          "displayName": "Search deleted users too",
          "type":"boolean",
          "initialValue": false
        }
      ]
    },
    ...
  ]
}
```

Response (failed)

```
{
  "success":false,
  "error": "Wrong token provided",
  "errorCode": 1001
}
```

/execute

a POST request that executes a command. If all is well, it returns the result of the command (can be any JSON value), if not - it returns a list of the parameters that should be changed, or a general error.

Request

```
{
  "token": "%TOKEN_STRING%",
  "command": "getUserDetailsById",
  "params": {
    "id": "1234-5678-91011",
    "searchDeletedUsers": false
  }
}
```

Response (success)

```
{
  "success":true,
  "result": {
    "name": "User McUserface",
    "age": 100,
    "favoriteColor": "blue"
  }
}
```

Response (field error)

```
{
  "success":false,
  "error": "Wrong input",
  "errorCode": 1002
  "fieldsError": [
    {"name": "id", "error": "Id must not be empty"}
  ]
}
```

Response (general error)

```
{
  "success":false,
  "error": "Wrong token provided",
  "errorCode": 1001
}
```

Hint:

You are **NOT** required to implement the server side of the app. Work as if there is a functional backend.

How to gain extra points:

1. While solving this task, you'll have many decisions that are needed to be made. Think about them and feel free to make them as you see fit.
2. Make the UI easy to use.
3. Keep the code clean, and easy to read / manipulate.
4. If you know how to write unit tests, feel free to add a few.

Submitting the solution:

Please create a git repo (BitBucket is free) and commit the code as you go.

When you are done, share the repo with nadav@jolt.us.

Please add few screenshots of the app to the git.

Any questions? email me at nadav@jolt.us. Happy to answer any questions.