**FrontEnd Developer Exam** Time: -

You will be creating a fairly simple payment page. In this page the user will be able to fill in few inputs, including billing address and his credit card details. After passing all required client validations.

Since every company wants to make $, the importance of a good payment page is huge, both user experience and usability of the page will be tested here.

**Requirements & guidelines:**

* Create the given layout
  + See attached screenshot *(layout.png)*
* Your layout should be responsive (Mobile first approach).
* Import countries data from a given api.
  + API url: [*http://api.geonames.org/countryInfoJSON?username=dperic*](http://api.geonames.org/countryInfoJSON?username=dperic)
  + Bind select input with *countryName* and *countryCode*.
* Implement credit card number type detection *(cardTypeHelper.js)*
* Implement client side input validations:

|  |  |
| --- | --- |
| Billing address | |
| *Country* | Required, Valid country code |
| *Street Address* | Required |
| Credit card details | |
| *Credit number* | Required, Number, 16 digits length, Card type detection |
| *Year* | Range: from <current year> till <current year + 8> |
| *Month* | Range: 1-12 (for current year: months in the past can’t be selected) |
| *CVV* | Required, Number, 3 digits length |

* Use those Frameworks/ libraries:
  + React
  + Mobx State tree for state management
  + Axios for api calls
  + Webpack
  + Lint
* Simulate data submission:
  + Submit form’s data to stub.
  + While data submission is in progress, present a progress bar indicator.
  + On success: show a basic thank you page.
  + On failure: show all informative errors.

Notes

* Test includes a zip file with all required assets.
* High score will be given for proper architecture.
* UX & usability are important (we will also view it from a mobile perspective).
* Feel free to be creative with UI.

**Submission**

* Upload your project to Github and send a link to the same contact person who have sent it to you.
* It will take up to 24 hours to review your solution, so please submit it early as possible.

**Bonus**

* Prevent form from being submitted multiple times.
* Implement unittests

If any bullet is unclear, let us know.

Good Luck!