



# Take Home Task - Front End

## Onboarding Form

### Prerequisites:

- Code should be in repository on any of the available git services (Github, Bitbucket, Gitlab, etc.)
- Should be written ideally in Typescript (Javascript allowed as well) using React library
- CRA (create react app) or Next.js can be used (optionally)
- Using react hooks
- External libraries (design systems, styles, form validations, UI components) are allowed
- UI should not necessary repeat given design, can be just similar and cover same functionalities
- Essential parts should be covered with automated integration tests (react testing library preferred)
- ESLint configuration is optional, but nice to have
- API for the home task ( <https://vault-test-task-api.onrender.com> ) is not always live. If you experience any delays or issues with your requests, please wait for few minutes, might be that server is starting.
- **Follow given designs (end of the file)**

**Challenge:** Build a simple onboarding form where user can type their personal and business details.

- User should be able to:
  - Type a first name (size limit 50 chars)
  - Type a last name (size limit 50 chars)

- Type a phone number (validate if phone number is correct, only Canadian numbers are allowed). Phone number shouldn't contain any special characters except `+` at the beginning. Should start with country code `+1`.
- Type a corporation number. Length should be 9 chars, should be validated asynchronously by making GET request to a given endpoint. URL: `https://vault-test-task-api.onrender.com/corporation-number/:number`. For correct corporation number response will be for example:

```
{
  "corporationNumber": "123456789",
  "valid": true
}
```

for bad corporation number there will be:

```
{
  "valid": false,
  "message": "Invalid corporation number"
}
```

List of valid corporation numbers (do not hardcode it, only for testing purpose):

```
[
  "826417395",
  "158739264",
  "123456789",
  "591863427",
  "312574689",
  "287965143",
  "265398741",
  "762354918",
  "468721395",
  "624719583",
]
```

- **All of the above fields are required (appropriate validation message should appear on blur for every field if it's not valid).**

- Submit a form if all of the fields were filled by clicking “Submit” button. Submission should validate fields and if any of values are missing, appropriate validation message should appear under respective field. After validation is made form values should be sent to an API using POST method. URL: <https://vault-test-task-api.onrender.com/profile-details>. Example of request:

```
{  
  "firstName": "Hello",  
  "lastName": "World",  
  "corporationNumber": "826417395",  
  "phone": "+13062776103"  
}
```

For successful form submission there will be just **200** status in response. For failed submission there will be a 400 status code and a message if any field is missing or if any field didn't pass a validation on back-end. For example:

```
{  
  "message": "Invalid phone number"  
}
```

## Design

Step 1 of 5

## Onboarding Form

First Name

Last Name

Phone Number

Corporation Number

Invalid Corporation Number

Submit →