

Bluebeam Frontend Developer Exercise

In this exercise you'll be recreating our self-upgrade licensing app. Customers can enter their licensing information to check to see if they're eligible for an upgrade. If eligible, we provide them with an easy way to upgrade their product.

We've created a template in jsFiddle for you to fork. The exercise template has Bootstrap included. You're free to use other helper libraries but vanilla JavaScript is preferred. **Please create a fork of this page before starting:** <https://jsfiddle.net/64cLsnbj/>

In this exercise you'll be tested on the following:

- HTML
- JavaScript
- Working with frontend frameworks such as Bootstrap
- Handling API endpoints
- Form POST/GET methods
- Form validation

Step 1 – Preform submission screen

- Wireframes: <https://www.figma.com/file/DliGsQ8hG1AbljLDqFh9nt/front-end-test?node-id=1%3A357>
- API endpoint: <https://www.mocky.io/v2/5dea8af93000001d442b09cd>

Here a user will need to enter their Serial Number, Product Key and Primary Contact Email to check if their license can be upgraded. Using JavaScript, submit the form and access the API endpoint listed above.

Form validation requirements:

- All fields are required
- The serial number field must be numbers and cannot exceed 7 characters
- The product key field must have a hyphen (-)
- The email field must be a valid email
- All validation must be done client side preform submission

Step 2 – License has been found and is eligible for an upgrade

- Wireframes: <https://www.figma.com/file/DliGsQ8hG1AbljLDqFh9nt/front-end-test?node-id=1%3A460>

In this screen, a user will be able to see their license info and have the ability to upgrade their license. Using the data retrieved from the API and Bootstrap, recreate the design posted in the above wireframe link.

Step 3 – License found, not eligible

- Wireframes: <https://www.figma.com/file/DliGsQ8hG1AbljLDqFh9nt/front-end-test?node-id=1%3A50>

In this screen, a user is notified that their license has been found but is not eligible for an upgrade. Once again, using the data retrieved from the API and Bootstrap, recreate the design posted in the above wireframe link.

Step 4 – Extra Credit

If a user enters their licensing info that isn't in the API response, try using design patterns from previous screens and create a "License not found" state.