

# COMPATIBILITY TEST FOR FRONT-END DEVELOPER

Please find below the coding assignment, as part of your technical evaluation.

We understand that a proper solution to this assignment would take days, but please remember, a perfect solution does not exist! All we are looking for is the approach.

"ShopBridge" needs you to build a website that helps track the different items they have for sale.

This will require a frontend/backend solution. As a UI developer, you need to provide the Frontend solution.

## Frontend Requirements Summary:

- Pick a User Interface Framework that you are comfortable with or interviewing for (Angular, AngularJS, ReactJs, React Native, ASP.NET MVC, Blazor, Any BOT Framework) to:

## Create a page for the Product Admin, with components that can be used to perform below actions:

1. Add a new item to the inventory (The item should require a name, description, and price as basic fields, think of additional information that would be useful)
  2. Modify an item in the inventory.
  3. Delete an item from the inventory.
  4. Lists the items in the inventory.
- The data needs to be fetched via APIs from a backend application.
  - All API calls should be asynchronous and not cause any full-page reloads.
  - Consider usability in terms of navigations.
  - Ensure Responsiveness
  - Do include data validations as and when needed.
  - Exception handlings need to be present.

Beyond these, please feel free to demonstrate whatever presentational knowledge/skills you have. Just remember to keep it simple.

## Tracking

Please do your best to keep track of how long you spend on the implementation of each of the, this is for self-timing and to determine estimation accuracy.

1. Frontend functionality
2. Frontend presentational aspects (styling, DOM, etc)
3. Required Validations
4. Unit Test Coverage

## Deployment Requirements:

- The code should be shared via GitHub, BitBucket, or SourceTree holding all relevant code.

- Do ensure its a deployment ready code which can be published to a production server.

**Great Add-on to have:**

- Simple and minimal design, you can use a theme you are comfortable with.
- Code Coverage of 90% (using any Code Coverage Tool like PyUnit, MSUnit, NUnit, XUnit etc.)
- Clean Code Readability
- Supporting relevant documentation(detailed steps to run with screenshots, breakdown of time spent on different aspects of development).

**IMPORTANT NOTE** - DO NOT send an invite to collaborate. Add the deliverables in PUBLIC REPOSITORY in Github, Bitbucket or SourceTree and send the LINK to the following email IDs -

- **Primary** - [deep@thinkbridge.in](mailto:deep@thinkbridge.in)
- **CC** - [shivani@thinkbridge.in](mailto:shivani@thinkbridge.in)