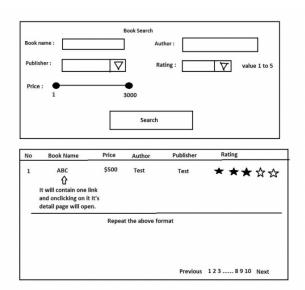# WordPress Engineer - Practical Exercise

Kindly follow the below instructions to perform the exercise. Feel free to contact our HR executive if you have any questions.

- Create a plugin for library book search which will be based on book name, author, publisher, price (use range), and book rating.

- On activation of the plugin, it should register one post type of Book, and two taxonomies of author and publisher.

- Using a shortcode or Gutenberg block, display the search tool on the front side.

- Add 20-25 records manually from the back-end, Just add 20-25 manually records and assign author, publisher, add price and rating in custom fields.
  - ➔ Book Title
  - ➔ Short Description
  - ➔ Author
  - ➔ Publisher
  - ➔ Price (Custom field)
  - ➔ Star Rating 1 to 5 (Custom field)

Search group and books listing should be displayed as shown below with all fields.

Here in the search result, the Book name will contain the link of it's detail page. On the detail page all the fields should be display name, author (author link), publisher (publisher link), description, rating, price of specific post.

1. The candidate should write very clean and optimized code.
2. The candidate should follow the coding standard (WP Coding standards) of the framework.
3. The code should be well documented.
4. Code should be oops-based and Search functionality should be Ajax based.
5. Export all book-related data into XML file and send that file as well.

Your Deliverables:

- Record a quick 5 minutes video, which explains the tasks that you have done in your local environment. Record the video with https://www.loom.com/ and share the video URL to the HR team.

- Create a private repository on Github and push all your source code in that repository.

- Share repository with "**code.challenge@multidots.com**" - "**md-codechallenge**".