

BASIC

CODING SKILLS

ASSESSMENT

BASIC CODING SKILLS ASSESSMENT

POSITION: PHP Developer

LOCATION: Lajimpat, Uttardhoka, Metropark building

EMPLOYER: IGC Technology

ASSESSMENT DURATION: < 2 days

BASIC SKILLS REQUIREMENTS:

- Basic Laravel configuration skills (install & config)
- Essential PHP programming skills
- Essential skills for MVC architecture.
- Essential SQL scripting and DB management (MySQL)
- Ability to quickly understand and solve the problem

PRE-REQUIREMENTS:

Per each candidate we will provide:

- Required table name and attributes for database

For Reference check: <https://laravel.com/docs/5.7/installation>

OBJECTIVE:

Develop a CRUD operation for a news module. Develop required Forms. CRUD operation for category module is not required. It will be plus point if you provide CRUD operation and UI for category module. You can insert dummy data for category table manually using seeder or phpmyadmin interface.

Note: Examiner can choose multiple categories for a news.

OBJECTIVE DETAILS:

1. Install and prepare for task:
 - a. Install and tune MySQL, Apache and Php to provided assessment server
 - b. Install and config laravel framework (latest version).
 - c. Create a database and appropriate table architecture to store dummy data.
 - d. Create required migration scripts
2. Develop required form (UI and UX). sample UI has given at last page
 - a. Table for list of news

- b. Create form and Edit form
 - c. Preview image after upload (js implementation)
- 3. Develop required logics in controller (CRUD operations)
- 4. Register github account or you can use your existing account of github.com
- 5. Push your project to github
- 6. Send git repository url through email.

RESULTS AND EVALUATION:

When ready, the candidate should:

- Provide a link to git repository (send it to this email address: info@igctech.com.np)
- All the Installation and Configuration Steps for laravel framework in text format etc

In the process of evaluating the results, the examiner will launch the project and

Check all CRUD operation for news module works fine.

Check preview of image just after uploading image.

Check multiple selection of category for single news.

Check edit form, if old data in fields and checkbox are displayed properly or not.

A successful result is considered:

- Clear and well commented code
- A fully working features and script.

NOTES:

- No any additional information will be provided. No any questions will be answered. It is expected that the candidate will understand the assignment and perform it independently and without any further clarification or assistance.
- We reserve the right to reject the result without any explanation of the reasons or providing any reports on the examination process/results.

Required tables and their attributes

Table name : categories

Attributes:

Attributes	Description
Id	Unique id
name	It is slug for category
Display_name	It is category name displayed to user
created_at	Date when row is created
updated_at	Date when row is updated
deleted_at	Date when row is deleted

Table name: news

Attributes	Description
id	Unique id
title	Title of news
content	Content of news
Highlights	Highlights of news
author	Author of news
Publish_date	Date When news will be published
category_id	Unique id of category row
category_name	Category of news eg. Sports, featured news, politics, entertainment
created_at	Date when row is created
updated_at	Date when row is updated
deleted_at	Date when row is deleted

Sample UI

Page HeaderOptional description

Leveladminnewscreate

Add news form

Title

title

Image

Browse...

No file selected.

News editor

XUndoRedoBoldItalicStrikethroughLinkUnlinkListOrderedListTableHorizontalRuleSource

BBISSu

StylesNormal?

This is my textarea to be replaced with CKEditor.

body p

Publish date

publish date

Author

author

Submit

Featured news

Categories

category1

category2

GOOD LUCK!