

hi and good day Jedi!

Thank you for your interest in taking this exam.

The objective of this exam is for us to gauge your technical knowledge using PHP & MySQL as a web development tool.

Instruction:

Together with this file there is a source code of a simple website found in "src" directory.

With your experience and knowledge we would like to ask you to do the following

- read thoroughly the source code.
- read thoroughly the database schema.
- optimize the website if needed.
- identify and list down the issues you found. If there are, explain why it is an issue.
- give suggestions on how the website should have been done and show some examples.

Use Cases of the website:

- Create a blog
- View list of blogs
- View list blogs by Type

Directory structure of the source code:

```
|— db-init.sql
|— Dockerfile
|— README.md
|— run.sh
|— screenshot.png
|— src
|   |— create-news.php
|   |— css
|   |   |— bootstrap.css
|   |— index.php
|   |— js
|   |   |— bootstrap.js
|   |   |— jquery-3.5.0.js
|   |— uploads
```

- db-init.sql - contains the database schema.
- screenshot.png - is the screenshot of this website.
- run.sh - a script for running the website.
- src - contains the source code of the website.

The website is created using the following technologies

- PHP 5
- MySQL 5.6
- Docker
- Bootstrap
- Debian

NOTE:

There are other ways to deploy the sample web application eg. using XAMPP but we provided a way to get the sample web app running if you want to use it you will need the following.

- have a linux machine
- install docker (<https://docs.docker.com/get-started/>)
- execute run.sh via "bash run.sh" (you will be ask for a password but leave it blank)
- visit <http://localhost:8001>

What do we expect?

A document containing your

- suggestions and sample
- list of issues you found and explanation.

Thanks and good luck Jedi!