

# White Hat Gaming PHP Technical Test

## ***Introduction***

This exercise is intended to test your programming ability across back and front end, including the use of a database. As far as is possible it intends to replicate a normal work assignment. It is intended to be performed within a fixed time period but will be judged more on the quality of the functionality which is completed than the amount that is completed. The test administrator should be treated as a colleague and as such you are encouraged to ask them questions to help complete the work.

## ***The Task***

The task is to create a simple page which acts as a “lobby” of available games for a number of casino websites (brands).

This will require the following components:

1. A front end which makes an AJAX call to the back end to get the list of games
2. A back end which services the AJAX call based on information in the database
3. A MySQL database containing the game data. This part is provided for you.

PHP should be used for the backend, no restrictions on frameworks are imposed or in fact provided. The result must have proper front and back end separation and will be expected to be clean, efficient and extensible, again within the time constraints.

The page must support the use of two parameters which specify:

1. Which brand the games are being listed for
2. What country the user is from

Obviously in a real world environment the brand and country would be determined through other means.

The database provided includes information about which brand and which brand + country combinations do not allow certain games on the site.

## ***The Database***

The IP address and credentials for the database will be provided by the administrator.

The core tables within the database are listed below. For each one the important columns are listed. Any other columns can be ignored.

### **game : List all the games registered in the system**

Column	Purpose
launchcode	Code to use to actually launch the game. This code is used as a

	reference in some of the other tables so effectively the unique key.
name	Name to present to user
game_provider_id	Reference to game_providers table specifying who the game provider is
rtp	Percentage of stakes returned to player

### **game\_providers : List of games providers**

Column	Purpose
id	Primary key
name	Name to present to user

### **brand\_games : Brand-specific game information**

Column	Purpose
launchcode	Launch code matching that in GAME table
brandid	Brand this information is for
category	Game category the game is in for this brand
hot	Is the game considered hot for this brand currently?
new	Is the game considered new for this brand currently?

### **game\_brand\_block : List of games blocked on each brand**

Column	Purpose
launchcode	Launch code matching that in GAME table
brandid	Brand the game is blocked for.

### **game\_country\_block : List of countries a game is blocked on for each brand**

Column	Purpose
launchcode	Launch code matching that in the game table
brandid	Brand this information is for. 0 means block for all brands.
country	Country the game is blocked in

## Game Images

The image to use for each game can be found under the following URL:

<https://stage.whgstage.com/scontent/images/games/<launchcode>.jpg>

## Task Priorities

It is highly likely that you will not have sufficient time to complete this task. As such the priority of the functionality to be completed is as follows, with the most important listed first:

1. Create the games feed (E.g. JSON/XML) in the backend which the frontend can access.
2. Lay out the games cleanly showing their name and image.
3. Show the game's launchcode when the game is clicked on (console text or alert is sufficient)
4. Do not show games which are blocked for the specified brand.
5. Do not show games which are blocked for the specified brand and country
6. Allow the user to see just the games in a particular category (or all games)
7. Show some of the additional game information such as provider, rtp, hot, new etc.

## Submission

Once the allotted time has expired please take various screen shots of the "lobby". Depending how far you managed to get. This could be a screen shot of the lobby, then the lobby filtered by a category and then a screenshot of alert or console when game is clicked.

All source code and screenshots should be provided to the administrator for later review. A zip file sent over or a public repo will be sufficient. Please send all files and details to:

[phptest@whitehatgaming.com](mailto:phptest@whitehatgaming.com) make sure you include your full name in your submission.

You may be expected to screenshare to show your solution working and to talk through the code.