

PHP TEST

You are required to create a simple API to stimulate the stock in/stock out scenario in the inventory management system (IMS):

1. Consists of **5 inventory items** in the database
2. Stock in/stock out **1 unit of quantity** for **randomly** chosen 3 items respectively while the API triggered

Example:

A 10
B 10
C 10
D 10
E 10

While API triggered, minus 1 unit of quantity for random chosen 3 items:

A 9
B 10
C 9
D 10
E 9

At the end of the assessment, you are required to submit the project that consists of API project and database migration file or scripts file together with implement additional features as below:

1. Handling on the concurrency issue
2. Handling the stock in/stock out scenario in async method instead of sync/for loop