

Senior Developer Practical Test

There are 4 tables in DB:

**users** (usr\_id, usr\_name, usr\_active, usr\_created)

**countries** (cnt\_id, cnt\_code, cnt\_title, cnt\_created)  
 **numbers** (num\_id, cnt\_id, num\_number, num\_created)  
 **send\_log** (log\_id, usr\_id, num\_id, log\_message, log\_success (bool), log\_created)

In all tables use demo data.

Users send every day messages to different numbers. Information regarding each message will be inserted to the log table.  
  
  
**Task 1 (SQL):** create new table **send\_log\_****aggregated** for aggregated by day (Y-m-d) information. Write SQL queries to insert data to the new table and then delete raw data from the table **send\_log**.

**Task 2 (PHP):** create Model Class for getting information from the new aggregated log. Function should receive parameters:  
  
 date\_from (Y-m-d, required)  
 date\_to (Y-m-d, required)  
 cnt\_id (optional filter)  
 usr\_id (optional filter)

Function must return grouped by day (Y-m-d) results: amount of successfully sent messages and amount of failed messages.

**Task 3 (Front-End)**: create web page for displaying of the aggregated log. Page should contain form with filters (selectors): **country**, **user** and **dates**.

**Example:**

Country: [New Zealand]  
User: [sender]  
From: 2018-05-01

To: 2018-05-10  
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Date Successfully sent Failed  
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2018-05-01 129,832 290

2018-05-02 4,329,431 11,847

2018-05-03 34,545 1,928

2018-05-04 94,434 1,769

2018-05-05 - 44

2018-05-06 1,345,346 12,454

2018-05-07 201 -

2018-05-08 - -

2018-05-09 203,432 7,118

2018-05-10 12,771 834