January 23, 2017

Verbat Logo

Review & Recommendations for Application Development of the Construction Project Management Application



**IEAG Digital**

Construction Project Management

**Revision** **History**

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| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 09 Nov 2016 | 1.0 | Draft Version | Prashant Thomas |
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**Document Approvals**

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# Application (Source Code) Review

An in depth analysis of the source code was not conducted because of limitations in time. Instances of application code/logic issues are cited below as an example that could be applied to the rest of the application. After reviewing the source code, we recommend that the following changes. Please not that some suggestions were made based on potential future functionality as it may not have been implemented yet.

## Section of code written after HTML closing tag

**Category**: Code written outside scope

**Weakness**: HTML code or JavaScript file loaded will not work if it is not inside scope (Inside HTML tags - <html></html>).

|  |  |  |  |
| --- | --- | --- | --- |
| Source File | Line Number | Description | Risk |
| add-mom.php | 917 | In line number 917, “footer-script.php” loaded and some html codes and javascript files loaded after that line. | Low |

|  |  |
| --- | --- |
| Current Code | Suggestion |
| <!-- footer-script -->  <?php include\_once("include/footer-script.php"); ?>  <!-- /footer-script -->  <!--------------------------------------  /\*ADD NEW PAGE MODELS ONLY\*/  ------------------------------------->  <!-- create-next-popup modal -->  <div id="create-next-popup" class="modal fade ">  <div class="modal-dialog">  <div class="modal-content">  …………………..  …………………..  </div>  <!-- create-next-popup end modal --> | <!--------------------------------------  /\*ADD NEW PAGE MODELS ONLY\*/  ------------------------------------->  <!-- create-next-popup modal -->  <div id="create-next-popup" class="modal fade ">  <div class="modal-dialog">  <div class="modal-content">    …………………..  …………………..  </div>  <!-- create-next-popup end modal -->  <!-- footer-script -->  <?php include\_once("include/footer-script.php"); ?>  <!-- /footer-script --> |

This issue is also in these pages: mom.php, edit-mom.php, report-mom.php, response-mom.php

## Comments contain unwanted code

**Category**: Code written inside comments

**Weakness**: The codes inside comments will confuse the developer. Comments should clearly describe what the code does.

|  |  |  |  |
| --- | --- | --- | --- |
| Source File | Line Number | Description | Risk |
| response-mom.php | 711 | In line number 711, some unwanted codes were commented. Remove the code from the page if it is not required. This issue not only in 711, there are several lines contain this problem. | Informational |

|  |  |
| --- | --- |
| Current Code | Suggestion |
| //if (($creator\_initial\_response\_flag == 1 || $creator\_response == 1 || $creator\_draft == 1) && $mom\_status != "Drafted" && $action\_by\_status == 1) { | Remove unwanted code from comments. |

This issue is also in these pages: mom.php, add-mom.php, edit-mom.php, report-mom.php

## Unused code

**Category**: Unused code written

**Weakness**: Page contains unused code, which will increase the file size of the code file and the loading time of the page.

|  |  |  |  |
| --- | --- | --- | --- |
| Source File | Line Number | Description | Risk |
| add-mom.php | 935 | In line number 935, unused “Create Next Popup” modal is found. If it is not required remove them. | Informational |

|  |  |
| --- | --- |
| Current Code | Suggestion |
| <tbody>  <tr>  <td><div class="ckbox">  <input type="checkbox" id="checkbox1">  <label for="checkbox1"> </label>  </div></td>  <td> 01 </td>  <td> Please do something... </td>  <td> John Doe </td>  <td> 02 Jun 2016 </td>  <td> Open </td>  <td align="center"><a href="" class="btn btn-view" data-placement="left" data-toggle="tooltip" data-original-title="View"><em class="fa fa-eye"></em></a></td>  </tr>  </tbody> | Remove unused code from the page. |

This issue is also in these pages: edit-mom.php, response-mom.php

## Hardcode found

**Category**: Hardcoded contents inside page.

**Weakness**: Page contains hardcoded contents, which is not dynamic and not useful. It contains dummy text also.

|  |  |  |  |
| --- | --- | --- | --- |
| Source File | Line Number | Description | Risk |
| report-mom.php | 725 | In line number 725, the “View Report Action Popup” modal contains full of hardcoded values and dummy content. Make it dynamic. | Low |

|  |  |
| --- | --- |
| Current Code | Suggestion |
| <!-- create-next-popup end modal -->  <div id="view-report-action-popup" class="modal fade ">  <div class="modal-dialog">  <div class="modal-content">  <div class="modal-header"> <a class="pull-right" data-dismiss="modal"><i class="fa fa-close"></i></a>  <h4 class="modal-title"> View / Minutes Action Item No. <span class="view\_minutes\_ai\_item\_no"></span> Details </h4>  </div>  …………………….  …………………….  <!-- /.modal-dalog -->  </div> | Make hardcoded contents dynamic. |

# Database Code Review

## MOM (Minutes of Meeting)

### dbo.meeting\_minute

* + Please set Allow Not Null to all mandatory fields.
  + Primary keys, Foreign Keys set for the table

### dbo.meeting\_minute\_action\_item

* + Primary keys, Foreign Keys and Allow Not Null set for the fileds.

### dbo.meeting\_minute\_action\_item\_comment

* + Primary keys, Foreign Keys and Allow Not Null set for the fileds.

### dbo.meeting\_minute\_action\_item\_user

* + Primary keys, Foreign Keys and Allow Not Null set for the fileds.

### dbo.meeting\_minute\_attendees

* + Please set Allow Not Null to all mandatory fields.
  + Primary keys, Foreign Keys set for the table

### dbo.meeting\_minute\_issuedto

* + Please set Allow Not Null to all mandatory fields.
  + Primary keys, Foreign Keys set for the table