

Appendix A Database Schema

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<?xml version="1.0"?>
<!DOCTYPE database SYSTEM
    "http://jakarta.apache.org/turbine/dtd/database.dtd">
<!-- Autogenerated by JDBCToXMLSchema! -->

<database>

    <table name="case_events">
        <column default="" name="event_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="case_id" required="true"
            type="INTEGER"/>
        <column default="0" name="profession_id" required="true"
            type="INTEGER"/>
        <column default="0" name="stream" required="true"
            type="INTEGER"/>
        <column default="0" name="consultation" required="true"
            type="INTEGER"/>
        <column default="" name="duration" type="BIGINT"/>
        <column default="" name="description" size="65535"
            type="LONGVARCHAR"/>
        <column default="" name="image" size="255" type="VARCHAR"/>
        <column default="N" name="consult_last" required="true"
            size="2" type="CHAR"/>
    </table>

    <table name="case_expert">
        <column default="0" name="case_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="user_id" primaryKey="true"
            required="true" size="20" type="VARCHAR"/>
    </table>

    <table name="case_notes">
        <column default="0" name="status_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="medical_record" size="65535"
            type="LONGVARCHAR"/>
        <column default="" name="user_notes" size="65535"
            type="LONGVARCHAR"/>
    </table>

    <table name="cases">
        <column default="" name="case_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="module_id" required="true"
            type="INTEGER"/>
        <column default="" name="title" size="100" type="VARCHAR"/>
        <column default="" name="description" size="255"
            type="VARCHAR"/>
    </table>

    <table name="event_log">
        <column default="0" name="case_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="status_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="profession_id" primaryKey="true"

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        required="true" type="INTEGER"/>
<column default="0" name="consultation" primaryKey="true"
    required="true" type="INTEGER"/>
<column default="0" name="stream" primaryKey="true"
    required="true" type="INTEGER"/>
<column default="0" name="stage" primaryKey="true"
    required="true" type="INTEGER"/>
<column default="" name="timestamp" type="TIMESTAMP"/>
<column default="" name="event" primaryKey="true"
    required="true" size="255" type="VARCHAR"/>
<column default="0" name="response_id" primaryKey="true"
    required="true" type="INTEGER"/>
<column default="0" name="relevance" type="INTEGER"/>
<column default="0" name="question_id" required="true"
    type="INTEGER"/>
<column default="" name="part" size="20" type="VARCHAR"/>
<column default="" name="tool" size="50" type="VARCHAR"/>
<column default="0" name="test_id" required="true"
    type="INTEGER"/>
<column default="0" name="action_id" required="true"
    type="INTEGER"/>
<column default="" name="stream_seq" size="10" type="VARCHAR"/>
</table>

<table name="event_relevance">
    <column default="0" name="relevance_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="" name="description" required="true" size="50"
        type="VARCHAR"/>
</table>

<table name="exam_images">
    <column default="" name="image_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="0" name="case_id" required="true"
        type="INTEGER"/>
    <column default="0" name="consultation" required="true"
        type="INTEGER"/>
    <column default="0" name="stream" required="true"
        type="INTEGER"/>
    <column default="" name="section" required="true" size="50"
        type="VARCHAR"/>
    <column default="" name="file_name" required="true" size="100"
        type="VARCHAR"/>
    <column default="" name="content_type" required="true"
        size="20" type="VARCHAR"/>
    <column default="" name="image_map" size="65535"
        type="LONGVARCHAR"/>
</table>

<table name="exam_parts">
    <column default="" name="part_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="" name="body_section" required="true"
        size="15" type="VARCHAR"/>
    <column default="" name="part_description" required="true"
        size="20" type="VARCHAR"/>
</table>

<table name="exam_response">
    <column default="" name="response_id" primaryKey="true"

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        required="true" type="INTEGER"/>
    <column default="0" name="part_id" required="true"
        type="INTEGER"/>
    <column default="0" name="tool_id" required="true"
        type="INTEGER"/>
    <column default="0" name="case_id" required="true"
        type="INTEGER"/>
    <column default="0" name="consultation" required="true"
        type="INTEGER"/>
    <column default="0" name="stream" required="true"
        type="INTEGER"/>
    <column default="0" name="relevance" required="true"
        type="INTEGER"/>
    <column default="" name="uri" size="200" type="VARCHAR"/>
    <column default="text/plan" name="contenttype" required="true"
        size="50" type="VARCHAR"/>
    <column default="" name="alt_text" size="100" type="VARCHAR"/>
    <column default="" name="text" required="true" size="255"
        type="VARCHAR"/>
</table>

<table name="exam_tools">
    <column default="" name="tool_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="" name="tool_description" required="true"
        size="50" type="VARCHAR"/>
</table>

<table name="help">
    <column default="" name="help_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="" name="title" size="150" type="VARCHAR"/>
    <column default="" name="content" required="true" size="65535"
        type="LONGVARCHAR"/>
    <column default="0000-00-00" name="modified" required="true"
        type="DATE"/>
</table>

<table name="history_category">
    <column default="" name="category_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="" name="category" required="true" size="50"
        type="VARCHAR"/>
</table>

<table name="history_questions">
    <column default="" name="question_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="0" name="category_id" required="true"
        type="INTEGER"/>
    <column default="" name="question" required="true" size="255"
type="VARCHAR"/>
    <column default="" name="keywords" size="65535"
type="LONGVARCHAR"/>
</table>
<table name="history_response">
    <column default="" name="response_id" primaryKey="true"
        required="true" type="INTEGER"/>
    <column default="0" name="question_id" required="true"
type="INTEGER"/>

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        <column default="0" name="case_id" required="true"
type="INTEGER"/>
        <column default="0" name="profession_id" required="true"
type="INTEGER"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="stream" required="true"
type="INTEGER"/>
        <column default="0" name="relevance" required="true"
type="INTEGER"/>
        <column default="" name="response" required="true"
size="65535" type="LONGVARCHAR"/>
    </table>
    <table name="hypothesis">
        <column default="" name="hypothesis_id" primaryKey="true"
required="true" type="INTEGER"/>
        <column default="0" name="status_id" required="true"
type="INTEGER"/>
        <column default="0" name="profession_id" required="true"
type="INTEGER"/>
        <column default="0" name="stage" required="true"
type="INTEGER"/>
        <column default="0" name="stream" required="true"
type="INTEGER"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="duration" type="BIGINT"/>
        <column default="" name="description" required="true"
size="255" type="VARCHAR"/>
        <column default="0.00" name="probability" type="FLOAT"/>
        <column default="" name="reason" size="65535"
type="LONGVARCHAR"/>
        <column default="" name="timestamp" type="TIMESTAMP"/>
        <column default="0" name="active" required="true"
type="TINYINT"/>
    </table>
    <table name="id_table">
        <column default="" name="ID_TABLE_ID" primaryKey="true"
required="true" type="INTEGER"/>
        <column default="" name="TABLE_NAME" required="true"
size="255" type="VARCHAR"/>
        <column default="" name="NEXT_ID" type="INTEGER"/>
        <column default="" name="QUANTITY" type="INTEGER"/>
    </table>
    <table name="investigate_category">
        <column default="" name="category_id" primaryKey="true"
required="true" type="INTEGER"/>
        <column default="" name="description" required="true"
size="50" type="VARCHAR"/>
    </table>
    <table name="investigate_orders">
        <column default="" name="order_id" primaryKey="true"
required="true" type="INTEGER"/>
        <column default="0" name="status_id" required="true"
type="INTEGER"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="duration" required="true"
type="BIGINT"/>
        <column default="0" name="test_id" required="true"
type="INTEGER"/>

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        <column default="0" name="stream" required="true"
type="INTEGER"/>
    </table>
    <table name="investigate_response">
        <column default="" name="response_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="test_id" required="true"
type="INTEGER"/>
        <column default="0" name="case_id" required="true"
type="INTEGER"/>
        <column default="0" name="profession_id" required="true"
type="INTEGER"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="stream" required="true"
type="INTEGER"/>
        <column default="0" name="relevance" required="true"
type="INTEGER"/>
        <column default="" name="text" required="true" size="65535"
type="LONGVARCHAR"/>
        <column default="" name="uri" size="200" type="VARCHAR"/>
        <column default="text/plain" name="contenttype"
required="true"
            size="50" type="VARCHAR"/>
        <column default="" name="alt_text" size="100" type="VARCHAR"/>
    </table>
    <table name="investigate_test">
        <column default="" name="test_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="category_id" required="true"
type="INTEGER"/>
        <column default="" name="test_name" required="true" size="100"
type="VARCHAR"/>
        <column default="1440" name="delay" required="true"
type="INTEGER"/>
        <column default="0.00" name="price" required="true"
type="FLOAT"/>
        <column default="" name="labinfo_testcode" size="20"
type="VARCHAR"/>
        <column default="0" name="labinfo_specimen_id"
type="INTEGER"/>
    </table>
    <table name="mgt_action">
        <column default="" name="action_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="action" required="true" size="255"
type="VARCHAR"/>
        <column default="" name="keywords" size="65535"
type="LONGVARCHAR"/>
    </table>
    <table name="mgt_orders">
        <column default="" name="order_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="status_id" required="true"
type="INTEGER"/>
        <column default="0" name="action_id" required="true"
type="INTEGER"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="stream" required="true"
type="INTEGER"/>

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        <column default="0" name="duration" required="true"
type="BIGINT"/>
    </table>
    <table name="mgt_response">
        <column default="0" name="case_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="profession_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="consultation" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="1" name="stream_seq" primaryKey="true"
            required="true" size="100" type="VARCHAR"/>
        <column default="0" name="action_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="relevance" required="true"
type="INTEGER"/>
        <column default="0" name="weight" required="true"
type="INTEGER"/>
        <column default="0" name="new_stream" required="true"
type="INTEGER"/>
    </table>
    <table name="modules">
        <column default="" name="module_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="title" required="true" size="100"
type="VARCHAR"/>
        <column default="" name="description" size="255"
type="VARCHAR"/>
        <column default="" name="directory" size="100"
type="VARCHAR"/>
    </table>
    <table name="profession">
        <column default="" name="profession_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="description" required="true"
size="30" type="VARCHAR"/>
    </table>
    <table name="turbine_group">
        <column default="0" name="GROUP_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="GROUP_NAME" required="true" size="99"
type="VARCHAR"/>
        <column default="" name="OBJECTDATA" type="VARBINARY"/>
    </table>
    <table name="turbine_permission">
        <column default="0" name="PERMISSION_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="PERMISSION_NAME" required="true"
size="99" type="VARCHAR"/>
        <column default="" name="OBJECTDATA" type="VARBINARY"/>
    </table>
    <table name="turbine_role">
        <column default="0" name="ROLE_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="ROLE_NAME" required="true" size="99"
type="VARCHAR"/>
        <column default="" name="OBJECTDATA" type="VARBINARY"/>
    </table>
    <table name="turbine_role_permission">
        <column default="0" name="ROLE_ID" primaryKey="true"
            required="true" type="INTEGER"/>

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        <column default="0" name="PERMISSION_ID" primaryKey="true"
            required="true" type="INTEGER"/>
    </table>
    <table name="turbine_scheduled_job">
        <column default="0" name="JOB_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="-1" name="SECOND" required="true"
type="INTEGER"/>
        <column default="-1" name="MINUTE" required="true"
type="INTEGER"/>
        <column default="-1" name="HOUR" required="true"
type="INTEGER"/>
        <column default="-1" name="WEEK_DAY" required="true"
type="INTEGER"/>
        <column default="-1" name="DAY_OF_MONTH" required="true"
type="INTEGER"/>
        <column default="" name="TASK" required="true" size="99"
type="VARCHAR"/>
        <column default="" name="EMAIL" size="99" type="VARCHAR"/>
        <column default="" name="PROPERTY" type="VARBINARY"/>
    </table>
    <table name="turbine_user">
        <column default="0" name="USER_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="LOGIN_NAME" required="true" size="32"
type="VARCHAR"/>
        <column default="" name="PASSWORD_VALUE" required="true"
            size="32" type="VARCHAR"/>
        <column default="" name="FIRST_NAME" required="true" size="99"
type="VARCHAR"/>
        <column default="" name="LAST_NAME" required="true" size="99"
type="VARCHAR"/>
        <column default="" name="EMAIL" size="99" type="VARCHAR"/>
        <column default="" name="CONFIRM_VALUE" size="99"
type="VARCHAR"/>
        <column default="" name="MODIFIED" type="TIMESTAMP"/>
        <column default="" name="CREATED" type="TIMESTAMP"/>
        <column default="" name="LAST_LOGIN" type="TIMESTAMP"/>
        <column default="" name="OBJECTDATA" type="VARBINARY"/>
    </table>
    <table name="turbine_user_group_role">
        <column default="0" name="USER_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="GROUP_ID" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="ROLE_ID" primaryKey="true"
            required="true" type="INTEGER"/>
    </table>
    <table name="user">
        <column default="0" name="user_id" primaryKey="true"
            required="true" size="20" type="VARCHAR"/>
        <column default="" name="password" required="true" size="20"
type="VARCHAR"/>
        <column default="" name="title" size="10" type="VARCHAR"/>
        <column default="" name="surname" required="true" size="30"
type="VARCHAR"/>
        <column default="" name="given_name" required="true" size="30"
type="VARCHAR"/>
        <column default="" name="email" size="100" type="VARCHAR"/>
    </table>
    <table name="user_status">

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        <column default="" name="status_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="0" name="user_id" required="true" size="20"
type="VARCHAR"/>
        <column default="0" name="case_id" required="true"
type="INTEGER"/>
        <column default="0" name="profession_id" required="true"
type="INTEGER"/>
        <column default="0000-00-00" name="start_date" required="true"
type="DATE"/>
        <column default="00:00:00" name="start_time" required="true"
type="TIME"/>
        <column default="0" name="case_duration" required="true"
type="BIGINT"/>
        <column default="0" name="consultation" required="true"
type="INTEGER"/>
        <column default="0" name="stream" required="true"
type="INTEGER"/>
        <column default="0" name="case_stage" required="true"
type="INTEGER"/>
        <column default="N" name="finished" required="true" size="2"
type="CHAR"/>
        <column default="1" name="stream_seq" required="true"
size="100" type="VARCHAR"/>
    </table>
    <table name="webcategory">
        <column default="0" name="category_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="description" required="true"
size="50" type="VARCHAR"/>
        <column default="0" name="sort_order" required="true"
type="INTEGER"/>
    </table>
    <table name="webhyperlinks">
        <column default="" name="link_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="page" required="true" size="50"
type="VARCHAR"/>
        <column default="" name="element" size="20" type="VARCHAR"/>
        <column default="0" name="category_id" required="true"
type="INTEGER"/>
        <column default="" name="description" required="true"
size="50" type="VARCHAR"/>
        <column default="" name="url" required="true" size="200"
type="VARCHAR"/>
        <column default="0" name="sort_order" type="INTEGER"/>
    </table>
    <table name="webnews">
        <column default="" name="news_id" primaryKey="true"
            required="true" type="INTEGER"/>
        <column default="" name="heading" required="true" size="50"
type="VARCHAR"/>
        <column default="" name="content" required="true" size="65535"
type="LONGVARCHAR"/>
        <column default="0000-00-00 00:00:00" name="timestamp"
type="TIMESTAMP"/>
        <column default="" name="page" required="true" size="50"
type="VARCHAR"/>
        <column default="" name="image" size="200" type="VARCHAR"/>
        <column default="" name="url" size="200" type="VARCHAR"/>
    </table>

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<table name="webpages">
  <column default="" name="name" primaryKey="true"
required="true"
    size="20" type="VARCHAR"/>
  <column default="" name="title" required="true" size="100"
type="VARCHAR"/>
  <column default="" name="template" required="true" size="50"
type="VARCHAR"/>
</table>
<table name="websimprac">
  <column default="" name="id" primaryKey="true" required="true"
type="INTEGER"/>
  <column default="0" name="moduleID" required="true"
type="INTEGER"/>
  <column default="0" name="caseID" type="INTEGER"/>
  <column default="" name="heading" size="50" type="VARCHAR"/>
  <column default="" name="content" size="65535"
type="LONGVARCHAR"/>
  <column default="0000-00-00 00:00:00" name="timestamp"
type="TIMESTAMP"/>
</table>
</database>
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