Developer Manual

1. Overview

This documentation will enable the developer to customize and improve the system with ease.

This covers customization of the Ant build script, theme, internationalization, images, database schema and the file listing.

2. Ant Build Script

The developer can modify the openmpis/build.xml file. Some targets are listed which can be overwritten.

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- You may freely edit this file. See commented blocks below for -->
<!-- some examples of how to customize the build. -->
<!-- (If you delete it and reopen the project it will be recreated.) -->
<project name="openmpis" default="default" basedir=".">
    <description>Builds, tests, and runs the project OpenMPIS.</description>
    <import file="nbproject/build-impl.xml"/>
    <!--

    There exist several targets which are by default empty and which can be
    used for execution of your tasks. These targets are usually executed
    before and after some main targets. They are:

      -pre-init:                 called before initialization of project properties
      -post-init:                called after initialization of project properties
      -pre-compile:              called before javac compilation
      -post-compile:             called after javac compilation
      -pre-compile-single:       called before javac compilation of single file
      -post-compile-single:      called after javac compilation of single file
      -pre-compile-test:         called before javac compilation of JUnit tests
      -post-compile-test:        called after javac compilation of JUnit tests
      -pre-compile-test-single:  called before javac compilation of single JUnit test
      -post-compile-test-single: called after javac compilation of single JUunit test
      -pre-dist:                 called before archive building
      -post-dist:                called after archive building
      -post-clean:               called after cleaning build products
      -pre-run-deploy:           called before deploying
      -post-run-deploy:          called after deploying

    Example of pluging an obfuscator after the compilation could look like

      <target name="-post-compile">
        <obfuscate>
          <fileset dir="${build.classes.dir}"/>
        </obfuscate>
      </target>

    For list of available properties check the imported
    nbproject/build-impl.xml file.


    Other way how to customize the build is by overriding existing main targets.
    The target of interest are:

      init-macrodef-javac:    defines macro for javac compilation
      init-macrodef-junit:   defines macro for junit execution
```

```
    init-macrodef-debug:    defines macro for class debugging
    do-dist:              archive building
    run:                  execution of project
    javadoc-build:        javadoc generation
```

Example of overriding the target for project execution could look like

```
    <target name="run" depends="<PROJNAME>-impl.jar">
        <exec dir="bin" executable="launcher.exe">
            <arg file="${dist.jar}"/>
        </exec>
    </target>
```

Notice that overridden target depends on jar target and not only on compile target as regular run target does. Again, for list of available properties which you can use check the target you are overriding in nbproject/build-impl.xml file.

```
    -->
    <target name="help" description="Displays this help menu.">
        <echo message="To build everything and install the database schema, type: ant"/>
        <echo message="You can now deploy dist/openmpis.war to the application server."/>
        <echo message=""/>
        <echo message="To create the WAR file only, type: ant dist"/>
        <echo message="This will create dist/openmpis.war."/>
        <echo message=""/>
        <echo message="To compile only, type: ant compile"/>
        <echo message="This will generate the compiled classes in the build/ directory."/>
        <echo message=""/>
        <echo message="To generate documentation only, type: ant javadoc"/>
        <echo message="This will generate the API's in the dist/javadocs directory."/>
        <echo message=""/>
        <echo message="To install the database schema only, type: ant create-database"/>
        <echo message=""/>
        <echo message="To remove the database schema, type: ant drop-database"/>
        <echo message=""/>
        <echo message="To start from scratch, type: ant clean"/>
        <echo message="This will erase build/ and dist/ directories."/>
    </target>
    <target depends="create-database" name="-post-dist"/>
                <target    depends="library-inclusion-in-archive,javadoc-build"    name="create-database"
description="Installs the OpenMPIS schema on the MySQL database server.">
        <property file="src/sqlmapconfig.properties"/>
        <property name="sql.url" value="jdbc:mysql://localhost:3306"/>
        <sql driver="${driver}" url="${sql.url}" userid="${username}" password="${password}" src="database/
MySQL/openmpis-mysql-schema-1.0.sql" rdbms="mysql">
            <classpath>
                <pathelement location="build/web/WEB-INF/lib/mysql-connector-java-5.1.6-bin.jar"/>
            </classpath>
        </sql>
    </target>
```

```
    <target  depends="library-inclusion-in-archive"  name="drop-database"  description="Removes  the
database schema from the database server.">
     <input message="This will remove the database. Proceed?" validargs="y,n" addproperty="do.delete"
/>
     <condition property="do.abort">
       <equals arg1="n" arg2="${do.delete}"/>
     </condition>
     <fail if="do.abort">Database dropping aborted by user.</fail>
     <property file="src/sqlmapconfig.properties"/>
     <sql driver="${driver}" url="${url}" userid="${username}" password="${password}">
       <classpath>
         <pathelement location="build/web/WEB-INF/lib/mysql-connector-java-5.1.6-bin.jar"/>
       </classpath>
       DROP DATABASE openmpis;
     </sql>
   </target>
</project>
```

3. Theme

The developer can customize the cascading stylesheet to change the theme. The default theme (openmpis/web/styles/openmpis.css) can be renamed and the elements modified to suit the designs of the organization.

```css
/* Basic HTML elements */
body {
   background-color: #bbbbbb;
   width: 100%;
   color: #000000;
   font: normal normal normal 9pt sans-serif;
   text-align: center;
   margin: 0px 0px 0px 0px;
   height: 100%;
}

a {
   color: #f7f7f7;
   font: normal normal normal 9pt sans-serif;
   text-decoration: none;
}

a:hover {
   color: #000000;
   text-decoration: underline;
}

h1 {
   color: #355d0d;
}

/* Specific classes */
.textareaclass, .inputclass, [selected], .selectclass, .fileclass {
   border: 1px solid #6c6c6c;
   background-color: #cccccc;
   width: 300px;
}

.hiddeninputclass {
   border: 1px solid #6c6c6c;
   background-color: #cccccc;
   width: 300px;
   display: none;
}

.weightinputclass, .heightinputclass, .ageinputclass {
   border: 1px solid #6c6c6c;
   background-color: #cccccc;
   width: 40px;
```

```
}

.optionclass {
    border: 0px solid #6c6c6c;
    background-color: #cccccc;
    width: 250px;
}

.monthselectclass {
    border: 1px solid #6c6c6c;
    background-color: #cccccc;
    width: 100px;
}

.monthoptionclass {
    border: 0px solid #6c6c6c;
    background-color: #cccccc;
    width: 70px;
}

.dayselectclass, .feetselectclass, .inchesselectclass {
    border: 1px solid #6c6c6c;
    background-color: #cccccc;
    width: 40px;
}

.dayoptionclass, .feetoptionclass, .inchesoptionclass {
    border: 0px solid #6c6c6c;
    background-color: #cccccc;
    width: 15px;
}

.yearselectclass {
    border: 1px solid #6c6c6c;
    background-color: #cccccc;
    width: 70px;
}

.yearoptionclass {
    border: 0px solid #6c6c6c;
    background-color: #cccccc;
    width: 40px;
}

.buttonclass, .searchbuttonclass {
    border: 1px solid #6c6c6c;
    background-color: #cccccc;
}

.feedbackbuttonclass, .loginbuttonclass, .userbuttonclass, .casebuttonclass {
    border: 1px solid #6c6c6c;
```

```
    background-color: #cccccc;
    margin-left: 9.4em;
}

.feedbackclass, .loginclass, .searchclass, .adduserclass {
    text-align: left;
}

.logincontentclass {
    white-space: normal;
    text-align: justify;
    margin-left: 10.4em;
}

.errorclass {
    color: #ff0000;
}

.standalonelabelclass {
    width: 10em;
    text-align: left;
    margin-right: 0.5em;
    display: block;
    color: #2a5104;
}

.labelclass {
    width: 10em;
    float: left;
    text-align: left;
    margin-right: 0.5em;
    display: block;
    color: #2a5104;
}

.contentclass {
    white-space: normal;
    text-align: justify;
}

.table {
    display: table;
    width: 100%;
    border-spacing: 1px;
}

.hiddentable {
    display: table;
}

.row {
```

```
    display: table-row;
}

.cell {
    display: table-cell;
    font: normal normal normal 9pt sans-serif;
    color: #111111;
    text-align: left;
    padding: 2px;
    border: 1px solid #ffffff;
}

.hiddencell {
    display: table-cell;
    font: normal normal normal 9pt sans-serif;
    color: #111111;
    text-align: left;
    padding: 2px;
}

.columnheader {
    display: table-cell;
    font: bold normal normal 12pt sans-serif;
    color: #000000;
    text-align: center;
    padding: 2px;
    border: 1px solid #ffffff;
}

/* Specific ids */

/* Specific divs */
div#container {
    position: relative;
    min-height: 100%;
    height: 100%;
    text-align: center;
}

div#header {
    height: 100px;
    background-color: #bbbbbb;
    background: url(../images/openmpis.png) no-repeat center center;
}

div#header img {
    margin-top: 0px;
}

div#menu {
    white-space: nowrap;
```

```css
    margin: 0px 0px 0px 0px;
    padding: 0px;
    text-align: center;
}

div#menu li {
    display: inline;
    list-style-type: none;
}

div#menu a {
    color: #ffffff;
    text-decoration: none;
    display: inline-block;
    font: normal normal normal 14pt sans-serif;
    background: url(../images/oval-dark.png) no-repeat center center;
    height: 40px;
    width: 150px;
    padding-top: 10px;
    margin-left: 2px;
    margin-right: 2px;
}

div#menu a:hover, div#menu a.chosen {
    color: #000000;
    text-decoration: none;
    display: inline-block;
    font: normal normal normal 14pt sans-serif;
    background: url(../images/oval-light.png) no-repeat center center;
    height: 40px;
    width: 150px;
    padding-top: 10px;
    margin-left: 2px;
    margin-right: 2px;
}

div#content {
    width: 100%;
    text-align: center;
    padding-top: 10px;
    padding-bottom: 60px;
}

div#content img {
    border: 0px;
}

div#content .photoclass {
    border: 1px solid olive;
    height: 300px;
    width: 200px;
```

```
}

div#contentitem {
    white-space: nowrap;
    margin: 0px auto 0px auto;
    padding: 10px;
    text-align: justify;
}

div#contenthome {
    white-space: nowrap;
    margin: 0px auto 0px auto;
    padding: 0px;
    text-align: center;
}

div#contenthome li {
    display: inline;
    list-style-type: none;
}

div#contenthome a {
    display: inline-block;
}

div#footer {
    clear: both;
    width: 100%;
    height: 30px;
    margin: 30px auto 0px auto;
    background-color: #424242;
    border: 1px;
    padding-top: 10px;
    padding-bottom: 10px;
    font: normal normal normal 7pt sans-serif;
    position: fixed;
    bottom: 0;
    left: 0;
    z-index: 100;
}

div#link a, div#copyright a {
    font: normal normal normal 7pt sans-serif;
}

div#link li {
    display: inline;
    list-style-type: none;
    padding-left: 1em;
    margin-left: 1em;
    border-left: 1px solid #000000;
```

```
}

div#link li:first-child {
    border-left:none
}

div#copyright {
    float: left;
    padding-left: 10px;
    width: 20%;
}

div#link {
    float: right;
    padding-right: 10px;
    width: 49%;
}

div#pagination {
    text-align: center;
}

div#pagination a {
    border: 1px solid #6c6c6c;
    background: #cccccc;
    padding: 2px 5px 2px 5px;
    color: #000000;
    font: normal normal normal 9pt sans-serif;
    text-decoration: none;
}

div#casemenu {
    text-align: center;
}

div#casemenu li {
    display: inline;
    list-style-type: none;
    padding-left: 1em;
    margin-left: 1em;
    border-left: 1px solid #000000;
}

div#casemenu li:first-child {
    border-left:none
}
```

4. Internationalization

The developer can add localized messages by creating an application resources property file for the given language based on the openmpis/src/com/googlecode/openmpis/resource/ApplicationResources.properties file. Menu items, global variables and styles can also be modified here.

Error messages
error.title=Error
error.404=The requested resource is not available.
error.unauthorized=You are not authorized to access this page.
error.session.required=Your session has expired. Please log in again.
error.feedback=Feedback cannot be forwarded to administrator. Probable e-mail problem.
error.keyword.required=<p class="errorclass">Please enter keyword/s without special characters.</p>
error.firstname.required=Please enter a valid first name.
error.firstname.invalid=First name is invalid.
error.nickname.required=Please enter a valid nickname.
error.nickname.invalid=Nickname is invalid.
error.middlename.required=Please enter a valid middle name.
error.middlename.invalid=Middle name is invalid.
error.lastname.required=Please enter a valid last name.
error.lastname.invalid=Last name is invalid.
error.email.required=Please enter a valid e-mail address.
error.email.invalid=Email address is invalid.
error.email.duplicate=Email address already exists.</p>
error.subject.invalid=Subject must be at least 2 characters long.
error.message.invalid=Message must be at least 10 characters long.
error.login.invalid=<p class="errorclass">Username or password is invalid or this account is suspended.</p>
error.javascript.disabled=<p class="errorclass">JavaScript must be enabled.</p>
error.username.required=Please enter a valid username.
error.username.invalid=Username is invalid.
error.username.duplicate=Username {0} already exists.</p>
error.password.required=Please enter a valid password.
error.password.invalid=Password is invalid. It should contain 8-10 alphanumeric characters only.
error.answer.required=Please enter a valid answer.
error.answer.invalid=Answer is invalid.
error.question.invalid=<p class="errorclass">Question or answer is invalid.</p>
error.designation.required=Please enter a valid designation or position.
error.designation.invalid=Designation or position is invalid.
error.agency.required=Please enter a valid agency or institution.
error.agency.invalid=Agency or institution is invalid.
error.number.required=Please enter a valid telephone number.
error.number.invalid=Telephone number is invalid.
error.number.duplicate=Telephone number already exists.</p>
error.password.mismatch=Passwords did not match.
error.code.mismatch=Codes did not match.
error.birthdate.invalid=Birth day is greater than the actual number of days for the month.

error.birthmonth.invalid=Birth month is greater than the current month.
error.birthday.invalid=Birth day is greater than the current month's day.
error.street.required=Please enter a valid street name.
error.street.invalid=Street name is invalid.
error.city.required=Please enter a valid city.
error.city.invalid=City is invalid.
error.province.required=Please enter a valid province.
error.province.invalid=Province is invalid.
error.relative.duplicate=Relative already exists.</p>
error.weight.required=Please enter a valid weight.
error.weight.invalid=Weight is invalid.
error.marks.required=Please enter distinguishing marks.
error.marks.invalid=Distinguishing marks are invalid.
error.personaleffects.required=Please enter valid personal effects.
error.personaleffects.invalid=Personal effects are invalid.
error.circumstance.required=Please enter a valid circumstance of disappearance.
error.circumstance.invalid=Circumstance of disappearance is invalid.
error.reward.invalid=Reward is invalid.
error.institution.required=Please enter a valid institution.
error.institution.invalid=Institution is invalid.
error.photo.required=Please enter a photo.
error.photo.invalid=Photo is invalid. It must be in PNG, JPG or GIF format.
error.monthmissingorfound.invalid=Month is greater than the current month.
error.daymissingorfound.invalid=Day is greater than the current month's day.
error.codisid.invalid=CODIS ID is invalid.
error.afisid.invalid=AFIS ID is invalid.
error.dentalid.invalid=Dental ID is invalid.
error.remarks.required=Please enter a remark.
error.remarks.invalid=Remark is invalid.
error.report.required=Please enter a progress report.
error.report.invalid=Progress report is invalid.

Labels
label.id=ID
label.group=Group
label.username=Username
label.password=Password
label.password.verify=Verify Password
label.name=Name
label.firstname=First Name
label.nickname=Nickname
label.middlename=Middle Name
label.lastname=Last Name
label.date.birth=Birth Date
label.age=Age
label.agency=Agency
label.designation=Designation

label.number=Contact Number
label.email=E-mail Address
label.ipaddress=IP Address
label.date.lastlogin=Last Login
label.date.encoded=Date Encoded
label.date.missing=Date Missing
label.date.found=Date Found
label.question=Question
label.answer=Answer
label.creatorid=Creator ID
label.status=Status
label.count=#
label.code=Confirmation Code
label.code.verify=Verify Code
label.subject=Subject
label.message=Message
label.address=Address
label.address.street=Street
label.address.city=City
label.address.province=Province/State
label.address.country=Country
label.address.missingfrom=Missing from
label.address.possiblelocation=Possible Location
label.address.currentlocation=Current Location
label.case.id=Case ID
label.case.type=Case Type
label.sex=Sex
label.height=Height
label.height.ft=feet
label.height.in=inches
label.height.cm=centimeters
label.weight=Weight
label.weight.lbs=pounds
label.weight.kg=kilograms
label.religion=Religion
label.race=Race
label.color.eye=Eye Color
label.color.hair=Hair Color
label.condition=Medical Condition
label.marks=Distinguishing Marks
label.circumstance=Circumstance
label.personaleffects=Personal Effects
label.remarks=Remarks
label.reward=Reward (PhP)
label.codis.id=CODIS ID
label.afis.id=AFIS ID
label.dental.id=Dental ID
label.relative.id=Relative ID
label.abductor.id=Abductor ID
label.investigator.id=Investigator ID
label.relation=Relation

label.institution=Institution
label.missing.day=day(s) missing
label.photo=Photo
label.agedphoto=Aged Photo
label.assign=Assign to
label.relative.existing=Existing Relative
label.relative.new=New Relative
label.abductor.existing=Existing Abductor
label.abductor.new=New Abductor
label.investigator.existing=Existing Investigator
label.cases.handled=Handled Cases
label.cases.encoded=Encoded Cases
label.users.encoded=Encoded Users
label.unknown=Unknown
label.progress=Progress Reports
label.from=From
label.for=For
label.date.sent=Date Sent
label.report=Report
label.date.reported=Date Written/Updated
label.abductor.name=Abductor
label.relative.name=Relative
label.investigator.username=Investigator

Sexes
sex.0=Unknown
sex.1=Male
sex.2=Female

Eye colors
color.eye.0=Unknown
color.eye.1=Amber
color.eye.2=Blue
color.eye.3=Brown
color.eye.4=Gray
color.eye.5=Green
color.eye.6=Hazel
color.eye.7=Others

Hair colors
color.hair.0=Unknown
color.hair.1=Auburn
color.hair.2=Black
color.hair.3=Blond
color.hair.4=Brown
color.hair.5=Gray/White
color.hair.6=Red
color.hair.7=Others

Religions
Sub-religions and sects excluded

religion.0=Unknown
religion.1=Atheist
religion.2=Buddhist
religion.3=Christian
religion.4=Hindu
religion.5=Islamic
religion.6=Jew
religion.7=Others

Races
race.0=Unknown
race.1=African
race.2=African American
race.3=Asia/Pacific
race.4=Caucasian
race.5=European
race.6=Hispanic
race.7=Indian
race.8=Mixed Race
race.9=Middle Eastern
race.10=Mongolian
race.11=Native American
race.12=Southeast Asian
race.13=Others

Months
month.1=January
month.2=February
month.3=March
month.4=April
month.5=May
month.6=June
month.7=July
month.8=August
month.9=September
month.10=October
month.11=November
month.12=December

Groups
group.0=Administrator
group.1=Encoder
group.2=Investigator

Status
User status
status.user.0=Active
status.user.1=Suspended
Case status
status.case.0=On-going
status.case.1=Solved

status.case.2=Unsolved
Messages
status.message.0=Unread
status.message.1=Read

Case types
type.0=Endangered Missing
type.1=Family Abduction
type.2=Non-Family Abduction
type.3=Endangered Runaway
type.4=Unknown
type.5=Found
type.6=Abandoned
type.7=Throwaway
type.8=Unidentified

Relations
relation.0=Husband
relation.1=Wife
relation.2=Father
relation.3=Mother
relation.4=Son
relation.5=Daughter
relation.6=Brother
relation.7=Sister
relation.8=Stepfather
relation.9=Stepmother
relation.10=Stepson
relation.11=Stepdaughter
relation.12=Stepbrother
relation.13=Stepsister
relation.14=Uncle
relation.15=Aunt
relation.16=Nephew
relation.17=Niece
relation.18=Grandfather
relation.19=Grandmother
relation.20=Grandson
relation.21=Granddaughter
relation.22=Cousin
relation.23=In-law
relation.24=Fiancé
relation.25=Fiancée
relation.26=Boyfriend
relation.27=Girlfriend
relation.28=Friend
relation.29=Nanny
relation.30=Others

Security questions
question.0=What is your favorite color?

question.1=What is the name of your favorite pet?
question.2=What is the name of your high school?

Global tags
global.style=styles/missingfilipinos.css
global.footer.copyright=<p class="copyrightclass">© 2008-2009 OpenMPIS. All rights reserved.</p>
global.footer.link=
Privacy Policy
Terms
Disclaimer
Accessibility
Sitemap
Valid XHTML
Valid CSS
global.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
global.contact=IF YOU HAVE ANY INFORMATION CONCERNING THIS CASE, PLEASE CONTACT US AT +63 2 426-9760 OR THE NEAREST LAW ENFORCEMENT AGENCY.

Pagination-related tags and messages
pagination.firstpage.enabled=<input type="button" name="firstpage" value="First Page" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
pagination.firstpage.disabled=<input type="button" name="firstpage" value="First Page" disabled="disabled" class="buttonclass"/>
pagination.lastpage.enabled=<input type="button" name="lastpage" value="Last Page" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
pagination.lastpage.disabled=<input type="button" name="lastpage" value="Last Page" disabled="disabled" class="buttonclass"/>
pagination.nextpage.enabled=<input type="button" name="nextpage" value="Next Page" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
pagination.nextpage.disabled=<input type="button" name="nextpage" value="Next Page" disabled="disabled" class="buttonclass"/>
pagination.previouspage.enabled=<input type="button" name="previouspage" value="Previous Page" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
pagination.previouspage.disabled=<input type="button" name="previouspage" value="Previous Page" disabled="disabled" class="buttonclass"/>

Case-related tags and messages
case.title=Case
case.heading=<h1>Success</h1>
case.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
case.submenu=
Missing
Family Abductions
<a href="viewCase.do?

action=listNonFamilyAbduction">Non-Family Abductions
<a href="viewCase.do?
action=listRunaway">Runaway
<a href="viewCase.do?
action=listUnknown">Unknown
<a href="viewCase.do?
action=listFound">Found
<a href="viewCase.do?
action=listAbandoned">Abandoned
<a href="viewCase.do?
action=listThrowaway">Throwaway
<a href="viewCase.do?
action=listUnidentified">Unidentified
<a href="viewCase.do?
action=listSolved">Solved
<a href="viewCase.do?
action=listUnsolved">Unsolved
case.list=<h1>Case List (Page {0} of {1})</h1>
case.list.allmissing=<h1>All Missing Persons List (Page {0} of {1})</h1>
case.list.missing=<h1>Missing Persons List (Page {0} of {1})</h1>
case.list.familyabduction=<h1>Family Abductions List (Page {0} of {1})</h1>
case.list.nonfamilyabduction=<h1>Non-Family Abductions List (Page {0} of {1})</h1>
case.list.runaway=<h1>Runaway Persons List (Page {0} of {1})</h1>
case.list.unknown=<h1>Missing Persons with Unknown Circumstance List (Page {0} of {1})</h1>
case.list.found=<h1>Found Persons List (Page {0} of {1})</h1>
case.list.abandoned=<h1>Abandoned Persons List (Page {0} of {1})</h1>
case.list.throwaway=<h1>Throwaway Persons List (Page {0} of {1})</h1>
case.list.unidentified=<h1>Unidentified Persons List (Page {0} of {1})</h1>
case.list.solved=<h1>Solved Cases List (Page {0} of {1})</h1>
case.list.unsolved=<h1>Unsolved Cases List (Page {0} of {1})</h1>
case.add=<h1>Add Case</h1>
case.edit=<h1>Edit Case</h1>
case.delete=<h1>Delete Case</h1>
case.view=<h1>View Case</h1>
case.content.empty=There are no cases in the database.
case.content.deleted=Successfully deleted person {0} "{1}" {2} with case ID {3}.
case.content.person=The case ID is {0} and was created on {1}.
case.content.relative=The relative ID is {0}.
case.content.abductor=The abductor ID is {0}.
case.content.investigator=The investigator ID is {0} and investigator username is {1}. Please do not forget
to sign the case reporting form.
case.content.confirm=Are you sure you want to delete person {0} "{1}" {2}?
case.content.confirm.relative=This will also delete relative {0} {1}.
case.content.confirm.abductor=Likewise, abductor {0} "{1}" {2} will also be deleted.
case.add.buttons=<input type="submit" class="casebuttonclass" value="Save"/> <input
type="reset" class="buttonclass" value="Clear"/> <input type="button" class="buttonclass"
value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>
case.delete.buttons=<input type="submit" class="casebuttonclass" value="Save"/> <input
type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?
action=list';"/> <input type="button" class="buttonclass" value="Delete" onclick="javascript:
window.location = '{0}';"/>
case.new.button=<input type="button" name="addcase" value="Add Case" onclick="javascript:
window.location = 'viewPerson.do?action=newPerson';" class="buttonclass"/>
case.delete.confirm.buttons=<input type="submit" class="casebuttonclass"
value="Delete"/> <input type="button" class="buttonclass" value="Cancel"
onclick="javascript: window.location = 'viewCase.do?action=list';"/>
case.assign.buttons=<input type="submit" class="casebuttonclass" value="Save"/> <input
type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?
action=list';"/>

case.print.poster=<input type="button" name="poster" value="Print Poster" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
case.reports=There are {0} progress reports for this person.
case.add.sighting.button=<input type="button" name="poster" value="Add Sighting" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
case.add.progress.button=<input type="button" name="addreport" value="Add Progress Report" onclick="javascript: window.location = '{0}';" class="buttonclass"/>
case.print.progress.buttons=<input type="button" name="listreport" value="View Progress Report" onclick="javascript: window.location = '{0}';" class="buttonclass"/>&nbsp;&nbsp;<input type="button" name="printreport" value="Print Progress Report" onclick="javascript: window.location = '{1}';" class="buttonclass"/>

Relative-related tags and messages
relative.title=Relative
relative.add=<h1>Add Relative</h1>
relative.edit=<h1>Edit Relative</h1>
relative.delete=<h1>Delete Relative</h1>
relative.view=<h1>View Relative</h1>
relative.content.deleted=Successfully deleted relative {0} {1} with ID {2}.
relative.content.confirm=Are you sure you want to delete {0} {1}?
relative.content.locked=Relative cannot be deleted. {0} person(s) are attributed to him/her.
relative.add.buttons=<input type="submit" class="relativebuttonclass" value="Save"/>&nbsp;&nbsp;<input type="reset" class="buttonclass" value="Clear"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>
relative.delete.buttons=<input type="submit" class="relativebuttonclass" value="Save"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Delete" onclick="javascript: window.location = '{0}';"/>
relative.delete.confirm.buttons=<input type="submit" class="relativebuttonclass" value="Delete"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>

Abductor-related tags and messages
abductor.title=Abductor
abductor.add=<h1>Add Abductor</h1>
abductor.edit=<h1>Edit Abductor</h1>
abductor.delete=<h1>Delete Abductor</h1>
abductor.view=<h1>View Abductor</h1>
abductor.content.deleted=Successfully deleted abductor {0} "{1}" {2} with ID {3}.
abductor.content.confirm=Are you sure you want to delete {0} "{1}" {2}?
abductor.content.locked=Abductor cannot be deleted. {0} person(s) are attributed to him/her.
abductor.add.buttons=<input type="submit" class="abductorbuttonclass" value="Save"/>&nbsp;&nbsp;<input type="reset" class="buttonclass" value="Clear"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>
abductor.delete.buttons=<input type="submit" class="abductorbuttonclass" value="Save"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>&nbsp;&nbsp;<input type="button" class="buttonclass" value="Delete" onclick="javascript: window.location = '{0}';"/>
abductor.delete.confirm.buttons=<input type="submit" class="abductorbuttonclass"

value="Delete"/> <input type="button" class="buttonclass" value="Cancel"
onclick="javascript: window.location = 'viewCase.do?action=list';"/>
abductor.print.poster=<input type="button" name="poster" value="Print Poster" onclick="javascript:
window.location = '{0}';" class="buttonclass"/>

Progress report-related tags and messages
report.title=Progress Report
report.list=<h1>Progress Report List (Page {0} of {1})</h1>
report.add=<h1>Add Progress Report</h1>
report.edit=<h1>Edit Progress Report</h1>
report.delete=<h1>Delete Progress Report</h1>
report.content.empty=There are no progress reports.
report.content.deleted=Successfully deleted progress report {0}.
report.content.created=Successfully created progress report for {0} {1} {2} on {3}.
report.content.updated=Successfully updated progress report {0}.
report.content.confirm=Are you sure you want to delete {0}?
report.add.buttons=<input type="submit" class="reportbuttonclass" value="Save"/> <input
type="reset" class="buttonclass" value="Clear"/> <input type="button" class="buttonclass"
value="Cancel" onclick="javascript: window.location = 'viewReport.do?action=list';"/>
report.edit.buttons=<input type="submit" class="reportbuttonclass" value="Save"/> <input
type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewReport.do?
action=list';"/>
#report.delete.buttons=<input type="submit" class="reportbuttonclass"
value="Save"/> <input type="button" class="buttonclass" value="Cancel" onclick="javascript:
window.location = 'viewReport.do?action=list';"/> <input type="button" class="buttonclass"
value="Delete" onclick="javascript: window.location = '{0}';"/>
report.new.button=<input type="button" name="adduser" value="Add Progress Report"
onclick="javascript: window.location = 'viewUser.do?action=newUser';" class="buttonclass"/>
report.delete.confirm.buttons=<input type="submit" class="reportbuttonclass"
value="Delete"/> <input type="button" class="buttonclass" value="Cancel"
onclick="javascript: window.location = 'viewReport.do?action=list';"/>

User-related tags and messages
user.title=User
user.list=<h1>User List (Page {0} of {1})</h1>
user.add=<h1>Add User</h1>
user.edit=<h1>Edit User</h1>
user.delete=<h1>Delete User</h1>
user.content.empty=There are no users in the database.
user.content.deleted=Successfully deleted user {0}.
user.content.created=Successfully created user {0} with user ID {1} on {2}. Please do not forget to sign
the user application form.
user.content.updated=Successfully updated profile of {0}.
user.content.confirm=Are you sure you want to delete {0}?
user.add.buttons=<input type="submit" class="userbuttonclass" value="Save"/> <input
type="reset" class="buttonclass" value="Clear"/> <input type="button" class="buttonclass"
value="Cancel" onclick="javascript: window.location = 'viewUser.do?action=list';"/>
user.edit.buttons=<input type="submit" class="userbuttonclass" value="Save"/> <input
type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewUser.do?
action=list';"/>
#user.delete.buttons=<input type="submit" class="userbuttonclass" value="Save"/> <input

type="button" class="buttonclass" value="Cancel" onclick="javascript: window.location = 'viewUser.do?
action=list';"/> <input type="button" class="buttonclass" value="Delete" onclick="javascript:
window.location = 'viewUser.do?action=eraseUser&id={0}';"/>
user.new.button=<input type="button" name="adduser" value="Add User" onclick="javascript:
window.location = 'viewUser.do?action=newUser';" class="buttonclass"/>
user.delete.confirm.buttons=<input type="submit" class="userbuttonclass"
value="Delete"/> <input type="button" class="buttonclass" value="Cancel"
onclick="javascript: window.location = 'viewUser.do?action=list';"/>

Administrator-related tags and messages
admin.home.title=Administrator Home
admin.home.heading=<h1>Administrator Home</h1>
admin.home.menu=
Home
<a
href="viewUser.do?action=list">Users
Statistics
<a
href="viewMessage.do?action=listFeedback">Feedbacks
Log Out</
a>
admin.home.content=Welcome, {0}!
admin.home.content.feedbacks=You have {0} new
feedback(s).
admin.user.menu=
Home
<a class="chosen"
href="viewUser.do?action=list">Users
Statistics
<a
href="viewMessage.do?action=listFeedback">Feedbacks
Log Out</
a>
admin.statistics.menu=
Home
<a href="viewUser.do?
action=list">Users
Statistics
<a
href="viewMessage.do?action=listFeedback">Feedbacks
Log Out</
a>
admin.feedback.menu=
Home
<a href="viewUser.do?
action=list">Users
Statistics
<a class="chosen"
href="viewMessage.do?action=listFeedback">Feedbacks
Log Out</
a>
admin.global.menu=
Home
<a href="viewUser.do?
action=list">Users
Statistics
<a
href="viewMessage.do?action=listFeedback">Feedbacks
Log Out</
a>

Encoder-related tags and messages
encoder.home.title=Encoder Home
encoder.home.heading=<h1>Encoder Home</h1>
encoder.home.menu=
Home
<a
href="viewUser.do?action=list">Users
<a href="viewCase.do?
action=list">Cases
Progress
<a
href="viewStatistics.do">Statistics
Log Out
encoder.home.content=Welcome, {0}!
encoder.user.menu=
Home
<a class="chosen"
href="viewUser.do?action=list">Users
<a href="viewCase.do?
action=list">Cases
Progress
<a
href="viewStatistics.do">Statistics
Log Out
encoder.case.list=<h1>My Encoded Cases (Page {0} of {1})</h1>
encoder.case.menu=
Home
<a href="viewUser.do?
action=list">Users
Cases
<a

href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
encoder.statistics.menu=
Home
<a href="viewUser.do?
action=list">Users
Cases
<a
href="viewReport.do?action=list">Progress
<a class="chosen"
href="viewStatistics.do">Statistics
Log Out
encoder.report.menu=
Home
<a href="viewUser.do?
action=list">Users
Cases
<a class="chosen"
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
encoder.global.menu=
Home
<a href="viewUser.do?
action=list">Users
Cases
<a
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out

Investigator-related tags and messages
investigator.home.title=Investigator Home
investigator.home.heading=<h1>Investigator Home</h1>
investigator.home.menu=
Home
<a
href="viewUser.do?action=viewUser">Profile
<a href="viewCase.do?
action=list">Cases
Sightings
<a
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
investigator.home.content=Welcome, {0}!
investigator.home.content.sightings=You have {0} new
sighting(s).
investigator.case.list=<h1>My Case List (Page {0} of {1})</h1>
investigator.case.menu=
Home
<a href="viewUser.do?
action=viewUser">Profile
<a class="chosen" href="viewCase.do?
action=list">Cases
Sightings
<a
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
investigator.user.menu=
Home
<a class="chosen"
href="viewUser.do?action=viewUser">Profile
<a href="viewCase.do?
action=list">Cases
Sightings
<a
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
investigator.sighting.menu=
Home
<a
href="viewUser.do?action=viewUser">Profile
<a href="viewCase.do?
action=list">Cases
<a class="chosen" href="viewMessage.do?
action=listSighting">Sightings
Progress
<a
href="viewStatistics.do">Statistics
Log Out
investigator.global.menu=
Home
<a href="viewUser.do?
action=viewUser">Profile
Cases
<a
href="viewMessage.do?action=listSighting">Sightings
<a href="viewReport.do?
action=list">Progress
Statistics
<a
href="viewLogout.do">Log Out
investigator.statistics.menu=
Home
<a
href="viewUser.do?action=viewUser">Profile
<a href="viewCase.do?
action=list">Cases
Sightings
<a
href="viewReport.do?action=list">Progress
<a class="chosen"

href="viewStatistics.do">Statistics
Log Out
investigator.report.menu=
Home
<a href="viewUser.do?
action=viewUser">Profile
Cases
<a
href="viewMessage.do?action=listSighting">Sightings
<a class="chosen"
href="viewReport.do?action=list">Progress
<a
href="viewStatistics.do">Statistics
Log Out
investigator.assign=<h1>Assign Investigator</h1>
investigator.title=Investigator

Log out-related tags and messages
logout.title=Log Out
logout.heading=<h1>Log Out</h1>
logout.menu=
Home
<a href="viewCase.do?
action=list" accesskey="2">Cases
<a href="viewAbout.do"
accesskey="3">About
Search
<a
href="viewFeedback.do" accesskey="5">Feedback
<a href="viewStatistics.do"
accesskey="6">Statistics
Forms
<a
href="viewTips.do" accesskey="8">Safety Tips
Log In
logout.content=You have successfully logged out.

Home-related messages and tags
home.title=Home
home.menu=
Home
<a
href="viewCase.do?action=list" accesskey="2">Cases
<a href="viewAbout.do"
accesskey="3">About
Search
<a
href="viewFeedback.do" accesskey="5">Feedback
<a href="viewStatistics.do"
accesskey="6">Statistics
Forms
<a
href="viewTips.do" accesskey="8">Safety Tips
Log In
home.content=
<img
src="images/missing.png" alt="Missing Persons Logo" title="Missing Persons"/>
<a
href="viewCase.do?action=listAllFound" accesskey="9"><img src="images/found.png" alt="Found
Persons Logo" title="Found Persons"/>
<a href="viewCase.do?action=listUnidentified"
accesskey="0"><img src="images/unidentified.png" alt="Unidentified Persons Logo" title="Unidentified
Persons"/>
home.alert=<h3>ALERT! Have you seen these persons?</h3>

About-related messages and tags
about.title=About
about.heading=<h1>About OpenMPIS</h1>
about.menu=
Home
<a href="viewCase.do?
action=list" accesskey="2">Cases
<a class="chosen" href="viewAbout.do"
accesskey="3">About
Search
<a
href="viewFeedback.do" accesskey="5">Feedback
<a href="viewStatistics.do"
accesskey="6">Statistics
Forms
<a
href="viewTips.do" accesskey="8">Safety Tips
Log In
accessibility.title=Accessibility
disclaimer.title=Disclaimer
privacy.title=Privacy Policy
sitemap.title=Sitemap
terms.title=Terms and Conditions

Search-related messages and tags
search.title=Search
search.heading=<h1>Search</h1>
search.menu=
Home
<a href="viewCase.do?
action=list" accesskey="2">Cases
<a href="viewAbout.do"
accesskey="3">About
Search</
li>
Feedback
<a href="viewStatistics.do"
accesskey="6">Statistics
Forms
<a
href="viewTips.do" accesskey="8">Safety Tips
Log In
search.empty=No results.
search.searchbutton=<input type="submit" class="searchbuttonclass" value="Search"/>

Feedback-related messages and tags
feedback.title=Feedback
feedback.heading=<h1>Feedback</h1>
feedback.address=Advanced Science and Technology Institute, ASTI Bldg., CP Garcia Ave., UP
Technology Park, Diliman, Quezon City
feedback.number=+63 2 426 9760 ext. 1302
feedback.menu=
Home
<a
href="viewCase.do?action=list" accesskey="2">Cases
<a href="viewAbout.do"
accesskey="3">About
Search
<a
class="chosen" href="viewFeedback.do" accesskey="5">Feedback
<a
href="viewStatistics.do" accesskey="6">Statistics
<a href="viewForm.do"
accesskey="7">Forms
Safety Tips
<a
href="viewLogin.do">Log In
feedback.content=Thank you. Your feedback has been forwarded to the administrator.
feedback.buttons=<input type="submit" class="feedbackbuttonclass"
value="Submit"/> <input type="reset" class="buttonclass" value="Clear"/>
feedback.list.button=<input type="button" class="buttonclass" value="Back" onclick="javascript:
window.location = 'viewMessage.do?action=listFeedback';"/>
feedback.list=<h1>Feedbacks (Page {0} of {1})</h1>
feedback.content.empty=There are no feedbacks.

Sighting-related messages and tags
sighting.title=Sighting
sighting.heading=<h1>Sighting</h1>
sighting.menu=
Home
<a class="chosen"
href="viewCase.do?action=list" accesskey="2">Cases
<a href="viewAbout.do"
accesskey="3">About
Search
<a
href="viewFeedback.do" accesskey="5">Feedback
<a href="viewStatistics.do"
accesskey="6">Statistics
Forms
<a
href="viewTips.do" accesskey="8">Safety Tips
Log In
sighting.content=Thank you. Your sighting has been forwarded to the investigator.
sighting.add.buttons=<input type="submit" class="casebuttonclass" value="Save"/> <input
type="reset" class="buttonclass" value="Clear"/> <input type="button" class="buttonclass"
value="Cancel" onclick="javascript: window.location = 'viewCase.do?action=list';"/>
sighting.list.button=<input type="button" class="buttonclass" value="Back" onclick="javascript:
window.location = 'viewMessage.do?action=listSighting';"/>
sighting.list=<h1>Sightings (Page {0} of {1})</h1>
sighting.content.empty=There are no sightings.

Statistics-related messages and tags
statistics.title=Statistics
statistics.heading=<h1>Statistics</h1>
statistics.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
statistics.content=
Geographic Information System (To be implemented in version 1.1)
Figures
Users
Cases
statistics.content.users=There are {0} user(s): {1} administrator(s), {2} encoder(s) and {3} investigator(s).
statistics.content.status=There are {0} active and {1} suspended user(s).
statistics.content.cases=There are {0} case(s): {1} on-going, {2} solved and {3} unsolved.
statistics.content.missing=There are {0} missing case(s), {1} family abduction case(s), {2} non-family abduction case(s), {3} runaway case(s) and {4} unknown case(s).
statistics.content.found=There are {0} found case(s), {1} abandoned case(s), {2} throwaway case(s) and {3} unidentified case(s).
statistics.content.relatives=There are {0} relative(s).
statistics.content.abductors=There are {0} abductor(s).
statistics.print.users=<input type="button" name="users" value="Print Users" onclick="javascript: window.location = 'viewUser.do?action=printUsers';" class="buttonclass"/>
statistics.print.cases=<input type="button" name="cases" value="Print Cases" onclick="javascript: window.location = 'viewCase.do?action=printCases';" class="buttonclass"/>

Form-related messages and tags
form.title=Forms
form.heading=<h1>Forms</h1>
form.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
form.content=
Case Reporting Form
User Application Form

Tips-related messages and tags
tips.title=Safety Tips
tips.heading=<h1>Safety Tips</h1>
tips.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
tips.content=
Do not talk to strangers.
Avoid walking alone at night.
Inform your

relatives of your whereabouts.
If you got separated from your group or family, do not look for them.
Be cautious of your surroundings.

Log in-related messages and tags
login.title=Log In
login.heading=<h1>Log In</h1>
login.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
login.content=Forgot password? Click here.
login.buttons=<input type="submit" class="loginbuttonclass" value="Log In"/> <input type="reset" class="buttonclass" value="Clear"/>

Password retrieval-related messages and tags
password.title=Password Reset
password.heading=<h1>Password Reset</h1>
password.menu=
Home
Cases
About
Search
Feedback
Statistics
Forms
Safety Tips
Log In
password.content=Your password has been sent to {0}.
password.buttons=<input type="submit" class="loginbuttonclass" value="Send Password"/> <input type="reset" class="buttonclass" value="Clear"/>

The localized filename must be reflected on the Struts configuration file (openmpis/web/WEB-INF/struts-config.xml). This configuration file also controls all the action forms, beans and mappings for the entire application.

```xml
<?xml version="1.0" encoding="UTF-8" ?>

<!DOCTYPE struts-config PUBLIC
      "-//Apache Software Foundation//DTD Struts Configuration 1.2//EN"
      "http://jakarta.apache.org/struts/dtds/struts-config_1_2.dtd">
<struts-config>
  <form-beans>
    <form-bean
        name="feedbackForm"
        type="com.googlecode.openmpis.form.FeedbackForm"/>
    <form-bean
        name="searchForm"
        type="com.googlecode.openmpis.form.SearchForm"/>
    <form-bean
        name="loginForm"
        type="com.googlecode.openmpis.form.LoginForm"/>
```

```xml
    <form-bean
        name="passwordForm"
        type="com.googlecode.openmpis.form.PasswordForm"/>
    <form-bean
        name="userForm"
        type="com.googlecode.openmpis.form.UserForm"/>
    <form-bean
        name="personForm"
        type="com.googlecode.openmpis.form.PersonForm"/>
    <form-bean
        name="relativeForm"
        type="com.googlecode.openmpis.form.RelativeForm"/>
    <form-bean
        name="abductorForm"
        type="com.googlecode.openmpis.form.AbductorForm"/>
    <form-bean
        name="reportForm"
        type="com.googlecode.openmpis.form.ReportForm"/>
    <form-bean
        name="investigatorForm"
        type="com.googlecode.openmpis.form.InvestigatorForm"/>
    <form-bean
        name="messageForm"
        type="com.googlecode.openmpis.form.MessageForm"/>
</form-beans>
<global-exceptions>
</global-exceptions>
<global-forwards>
    <forward
        name="failure"
        path="/WEB-INF/errors/error.jsp"/>
    <forward
        name="expired"
        path="/WEB-INF/errors/sessionError.jsp"/>
    <forward
        name="unauthorized"
        path="/WEB-INF/errors/authorizationError.jsp"/>
</global-forwards>
<action-mappings>
    <action
        path="/viewHome"
        type="com.googlecode.openmpis.action.HomeAction"
        scope="request">
      <forward name="home" path="/WEB-INF/pages/home.jsp"/>
    </action>
    <action
        path="/viewAbout"
        type="org.apache.struts.actions.ForwardAction"
        parameter="/WEB-INF/pages/about/about.jsp"/>
    <action
        path="/viewPrivacy"
```

```
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/about/privacy.jsp"/>
    <action
            path="/viewTerms"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/about/terms.jsp"/>
    <action
            path="/viewDisclaimer"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/about/disclaimer.jsp"/>
    <action
            path="/viewAccessibility"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/about/accessibility.jsp"/>
    <action
            path="/viewSitemap"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/about/sitemap.jsp"/>
    <action
            path="/viewStatistics"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/statistics/statistics.jsp" />
    <action
            path="/viewSearch"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/search/searchForm.jsp"/>
    <action
            path="/viewTips"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/tips/tips.jsp"/>
    <action
            path="/viewLogin"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/session/loginForm.jsp"/>
    <action
            path="/viewFeedback"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/feedback/feedbackForm.jsp"/>
    <action
            path="/viewPassword"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/password/passwordForm.jsp"/>
    <action
            path="/viewForm"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/form/form.jsp"/>
    <action
            path="/viewCaseForm"
            type="org.apache.struts.actions.ForwardAction"
            parameter="/WEB-INF/pages/form/OpenMPIS Case Form 1.0.pdf"/>
    <action
```

```
        path="/viewUserForm"
        type="org.apache.struts.actions.ForwardAction"
        parameter="/WEB-INF/pages/form/OpenMPIS User Form 1.0.pdf"/>
    <!-- List, add, view, edit, delete and count users -->
    <action
        path="/viewUser"
        type="com.googlecode.openmpis.action.UserAction"
        scope="request"
        name="userForm"
        input="/WEB-INF/pages/session/userForm.jsp"
        validate="false"
        parameter="action">
    <forward name="list-user" path="/WEB-INF/pages/session/listUsers.jsp"/>
    <forward name="list-user-redo" redirect="true" path="/viewUser.do?action=list"/>
    <forward name="add-user"  path="/WEB-INF/pages/session/addUserForm.jsp"/>
    <forward name="add-user-redo"  path="/WEB-INF/pages/session/addUserForm.jsp"/>
    <forward name="add-user-success" path="/WEB-INF/pages/session/userSuccess.jsp"/>
    <forward name="edit-user" path="/WEB-INF/pages/session/editUserForm.jsp"/>
    <forward name="edit-user-redo" path="/WEB-INF/pages/session/editUserForm.jsp"/>
    <forward name="edit-user-success" path="/WEB-INF/pages/session/userSuccess.jsp"/>
    <forward name="delete-user" path="/WEB-INF/pages/session/deleteUserForm.jsp"/>
    <forward name="delete-user-redo" path="/WEB-INF/pages/session/deleteUserForm.jsp"/>
    <forward name="delete-user-success" path="/WEB-INF/pages/session/userSuccess.jsp"/>
    <forward name="user-statistics" path="/WEB-INF/pages/statistics/userStatistics.jsp"/>
    </action>
    <!-- List and count persons, relatives and abductors and assign investigator -->
    <action
        path="/viewCase"
        type="com.googlecode.openmpis.action.CaseAction"
        scope="request"
        name="investigatorForm"
        input="/WEB-INF/pages/session/investigatorForm.jsp"
        validate="false"
        parameter="action">
    <forward name="list-person" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-all-missing" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-missing" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-familyabduction" path="/WEB-INF/pages/person/listPersons.jsp"/>
     <forward name="list-person-nonfamilyabduction" path="/WEB-INF/pages/person/listPersons.jsp"/
>
    <forward name="list-person-all-found" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-abandoned" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-throwaway" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-unidentified" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-solved" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-person-unsolved" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="list-abductor" path="/WEB-INF/pages/person/listPersons.jsp"/>
    <forward name="case-statistics" path="/WEB-INF/pages/statistics/caseStatistics.jsp"/>
    <forward name="assign-investigator" path="/WEB-INF/pages/session/investigatorForm.jsp"/>
    <forward name="edit-person-success" path="/WEB-INF/pages/session/personSuccess.jsp"/>
    </action>
```

```xml
<!-- Add, view, edit and delete persons -->
<action
    path="/viewPerson"
    type="com.googlecode.openmpis.action.PersonAction"
    scope="request"
    name="personForm"
    input="/WEB-INF/pages/session/personForm.jsp"
    validate="false"
    parameter="action">
<forward name="list-person" redirect="true" path="/viewCase.do?action=list"/>
<forward name="view-person" path="/WEB-INF/pages/person/viewPersonForm.jsp"/>
<forward name="add-person"  path="/WEB-INF/pages/session/personForm.jsp"/>
<forward name="add-person-redo" path="/WEB-INF/pages/session/personForm.jsp"/>
<forward name="edit-person" path="/WEB-INF/pages/session/personForm.jsp"/>
<forward name="edit-person-redo" path="/WEB-INF/pages/session/personForm.jsp"/>
<forward name="delete-person" path="/WEB-INF/pages/session/deletePersonForm.jsp"/>
<forward name="delete-person-redo" path="/WEB-INF/pages/session/deletePersonForm.jsp"/>
<forward name="delete-person-success" path="/WEB-INF/pages/session/personSuccess.jsp"/>
<forward name="select-investigator" path="/viewCase.do?action=selectInvestigator"/>
<forward name="add-relative" path="/viewRelative.do?action=newRelative"/>
</action>
<!-- Add, view, edit and delete relatives -->
<action
    path="/viewRelative"
    type="com.googlecode.openmpis.action.RelativeAction"
    scope="request"
    name="relativeForm"
    input="/WEB-INF/pages/session/relativeForm.jsp"
    validate="false"
    parameter="action">
<forward name="list-person" redirect="true" path="/viewCase.do?action=list"/>
<forward name="view-relative" path="/WEB-INF/pages/session/relativeForm.jsp"/>
<forward name="add-relative"  path="/WEB-INF/pages/session/relativeForm.jsp"/>
<forward name="add-relative-redo"  path="/WEB-INF/pages/session/relativeForm.jsp"/>
<forward name="add-relative-success" path="/WEB-INF/pages/session/relativeSuccess.jsp"/>
<forward name="edit-relative" path="/WEB-INF/pages/session/relativeForm.jsp"/>
<forward name="edit-relative-redo" path="/WEB-INF/pages/session/relativeForm.jsp"/>
<forward name="edit-relative-success" path="/WEB-INF/pages/session/relativeSuccess.jsp"/>
<forward name="delete-relative" path="/WEB-INF/pages/session/deleteRelativeForm.jsp"/>
<forward name="delete-relative-redo" path="/WEB-INF/pages/session/deleteRelativeForm.jsp"/>
<forward name="delete-relative-success" path="/WEB-INF/pages/session/relativeSuccess.jsp"/>
<forward name="select-investigator" path="/viewCase.do?action=selectInvestigator"/>
<forward name="add-abductor" path="/viewAbductor.do?action=newAbductor"/>
</action>
<!-- Add, view, edit and delete abductors -->
<action
    path="/viewAbductor"
    type="com.googlecode.openmpis.action.AbductorAction"
    scope="request"
    name="abductorForm"
    input="/WEB-INF/pages/session/abductorForm.jsp"
```

```
                validate="false"
                parameter="action">
            <forward name="list-person" redirect="true" path="/viewCase.do?action=list"/>
            <forward name="view-abductor" path="/WEB-INF/pages/session/abductorForm.jsp"/>
            <forward name="add-abductor"  path="/WEB-INF/pages/session/abductorForm.jsp"/>
            <forward name="add-abductor-redo"  path="/WEB-INF/pages/session/abductorForm.jsp"/>
            <forward name="add-abductor-success" path="/WEB-INF/pages/session/abductorSuccess.jsp"/>
            <forward name="edit-abductor" path="/WEB-INF/pages/session/abductorForm.jsp"/>
            <forward name="edit-abductor-redo" path="/WEB-INF/pages/session/abductorForm.jsp"/>
            <forward name="edit-abductor-success" path="/WEB-INF/pages/session/abductorSuccess.jsp"/>
            <forward name="delete-abductor" path="/WEB-INF/pages/session/deleteAbductorForm.jsp"/>
             <forward name="delete-abductor-redo" path="/WEB-INF/pages/session/deleteAbductorForm.jsp"/>
            <forward name="delete-abductor-success" path="/WEB-INF/pages/session/abductorSuccess.jsp"/>
            <forward name="select-investigator" path="/viewCase.do?action=selectInvestigator"/>
        </action>
        <!-- Add, view, edit and delete progress reports -->
        <action
                path="/viewReport"
                type="com.googlecode.openmpis.action.ReportAction"
                scope="request"
                name="reportForm"
                input="/WEB-INF/pages/session/reportForm.jsp"
                validate="false"
                parameter="action">
            <forward name="list-person" redirect="true" path="/viewCase.do?action=list"/>
            <forward name="list-report" path="/WEB-INF/pages/session/listReports.jsp"/>
            <forward name="view-report" path="/WEB-INF/pages/session/reportForm.jsp"/>
            <forward name="add-report"  path="/WEB-INF/pages/session/reportForm.jsp"/>
            <forward name="add-report-redo"  path="/WEB-INF/pages/session/reportForm.jsp"/>
            <forward name="add-report-success" path="/WEB-INF/pages/session/reportSuccess.jsp"/>
            <forward name="edit-report" path="/WEB-INF/pages/session/reportForm.jsp"/>
            <forward name="edit-report-redo" path="/WEB-INF/pages/session/reportForm.jsp"/>
            <forward name="edit-report-success" path="/WEB-INF/pages/session/reportSuccess.jsp"/>
            <forward name="delete-report" path="/WEB-INF/pages/session/deleteReportForm.jsp"/>
            <forward name="delete-report-redo" path="/WEB-INF/pages/session/deleteReportForm.jsp"/>
            <forward name="delete-report-success" path="/WEB-INF/pages/session/reportSuccess.jsp"/>
        </action>
        <!-- List, add, edit, view and delete sightings and feedbacks -->
        <action
                path="/viewMessage"
                type="com.googlecode.openmpis.action.MessageAction"
                scope="request"
                name="messageForm"
                input="/WEB-INF/pages/sighting/sightingForm.jsp"
                validate="false"
                parameter="action">
            <forward name="list-feedback" path="/WEB-INF/pages/session/listMessages.jsp"/>
            <forward name="list-sighting" path="/WEB-INF/pages/session/listMessages.jsp"/>
            <forward name="list-feedback-redo" path="/viewMessage.do?action=listFeedback"/>
```

```
        <forward name="list-sighting-redo" path="/viewMessage.do?action=listSighting"/>
        <forward name="view-message" path="/WEB-INF/pages/session/viewMessageForm.jsp"/>
        <forward name="add-sighting" path="/WEB-INF/pages/sighting/sightingForm.jsp"/>
        <forward name="add-sighting-redo" path="/WEB-INF/pages/sighting/sightingForm.jsp"/>
        <forward name="add-sighting-success" path="/WEB-INF/pages/sighting/sightingSuccess.jsp"/>
        <forward name="list-person" redirect="true" path="/viewCase.do?action=listAllMissing"/>
    </action>
    <!-- User home page -->
    <action
        path="/viewUserHome"
        type="com.googlecode.openmpis.action.AuthenticateAction"
        scope="request">
      <forward name="authenticated" path="/WEB-INF/pages/session/index.jsp"/>
    </action>
    <!-- Log in -->
    <action
        path="/login"
        type="com.googlecode.openmpis.action.LoginAction"
        scope="request"
        name="loginForm"
        input="/WEB-INF/pages/session/loginForm.jsp"
        validate="false">
      <forward name="login-success" redirect="true" path="/viewUserHome.do"/>
        <forward name="login-redo" path="/viewLogin.do"/>
    </action>
    <!-- Log out -->
    <action
        path="/viewLogout"
        type="com.googlecode.openmpis.action.LogoutAction"
        scope="request">
      <forward name="logout-success" path="/WEB-INF/pages/session/logoutSuccess.jsp"/>
    </action>
    <!-- Send feedback -->
    <action
        path="/feedback"
        type="com.googlecode.openmpis.action.FeedbackAction"
        scope="request"
        name="feedbackForm"
        input="/WEB-INF/pages/feedback/feedbackForm.jsp"
        validate="false">
      <forward name="feedback-success" path="/WEB-INF/pages/feedback/feedbackSuccess.jsp"/>
        <forward name="feedback-redo" path="/WEB-INF/pages/feedback/feedbackForm.jsp"/>
    </action>
    <!-- Reset password -->
    <action
        path="/resetPassword"
        type="com.googlecode.openmpis.action.PasswordAction"
        scope="request"
        name="passwordForm"
        input="/WEB-INF/pages/password/passwordForm.jsp"
        validate="true">
```

```xml
            <forward name="password-success" path="/WEB-INF/pages/password/passwordSuccess.jsp"/>
            <forward name="password-redo" path="/WEB-INF/pages/password/passwordForm.jsp"/>
        </action>
        <!-- Search -->
        <action
            path="/search"
            type="com.googlecode.openmpis.action.SearchAction"
            name="searchForm"
            input="/WEB-INF/pages/search/searchForm.jsp"
            validate="true">
            <forward name="search-success" path="/WEB-INF/pages/search/searchSuccess.jsp"/>
        </action>
    </action-mappings>
    <controller processorClass="org.apache.struts.tiles.TilesRequestProcessor" nocache="true"/>
    <message-resources parameter="com.googlecode.openmpis.resource.ApplicationResource"/>
                                                        <message-resources           key="_PH"
parameter="com.googlecode.openmpis.resource.ApplicationResource__PH"/>


    <!-- ======================== Tiles plugin ===============================-->
    <!--
    This plugin initialize Tiles definition factory. This later can takes some
    parameters explained here after. The plugin first read parameters from
    web.xml, thenoverload them with parameters defined here. All parameters
    are optional.
    The plugin should be declared in each struts-config file.
    - definitions-config: (optional)
    Specify configuration file names. There can be several comma
    separated file names (default: ?? )
    - moduleAware: (optional - struts1.1)
    Specify if the Tiles definition factory is module aware. If true
    (default), there will be one factory for each Struts module.
    If false, there will be one common factory for all module. In this
    later case, it is still needed to declare one plugin per module.
    The factory will be initialized with parameters found in the first
    initialized plugin (generally the one associated with the default
    module).
    true : One factory per module. (default)
    false : one single shared factory for all modules
    - definitions-parser-validate: (optional)
    Specify if xml parser should validate the Tiles configuration file.
    true : validate. DTD should be specified in file header (default)
    false : no validation

    Paths found in Tiles definitions are relative to the main context.
    -->
    <plug-in className="org.apache.struts.tiles.TilesPlugin" >
        <set-property property="definitions-config" value="/WEB-INF/tiles-defs.xml" />
        <set-property property="moduleAware" value="true" />
    </plug-in>

    <!-- ======================== Validator plugin =============================== -->
```

```
<!--
<plug-in className="org.apache.struts.validator.ValidatorPlugIn">
   <set-property
      property="pathnames"
      value="/WEB-INF/validator-rules.xml,/WEB-INF/validation.xml"/>
</plug-in>
-->
</struts-config>
```

5. Images

The developer can add new pictures under the openmpis/web/images directory. The file favicon.ico contains the s*alakot* logo of OpenMPIS.

6. Database Schema

The developer can modify the database by editing the openmpis/database/openmpis-schema.druid file. He will also have to modify the SQL maps, data transfer objects, services and data access objects in the openmpis/src/com/googlecode/openmpis directory if needed. The generated SQL file is in openmpis/database/MySQL directory.

```
-- ======================================================================
-- ===   Sql Script for Database : OpenMPIS
-- ===
-- === Build : 135
-- ======================================================================

BEGIN WORK;

CREATE DATABASE IF NOT EXISTS openmpis;

USE openmpis;
-- ======================================================================

CREATE TABLE abductor
  (
   id              serial,
   firstName       varchar(30),
   nickname        varchar(30),
   middleName      varchar(30),
   lastName        varchar(30),
   birthMonth      int2,
   birthDay        int2,
   birthYear       int2,
   street          varchar(60),
   city            varchar(30),
   province        varchar(30),
   country         varchar(30),
   sex             int2       not null default 0,
   feet            int2,
   inches          int2,
   weight          int2,
   religion        int2       not null default 0,
   race            int2       not null default 0,
   eyeColor        int2       not null default 0,
   hairColor       int2       not null default 0,
   marks           text,
   personalEffects text,
   remarks         text       not null,
   photo           text,
   agedPhoto       text,
   codisID         varchar(30)  unique,
   afisID          varchar(30)  unique,
   dentalID        varchar(30)  unique,
```

```
   primary key(id)
 )
 TYPE = InnoDB;

CREATE INDEX openmpis.abductorIDX1 ON abductor(id);

-- =====================================================================

CREATE TABLE log
 (
   id    serial,
   log   text    not null,
   date  date    not null,

   primary key(id)
 )
 TYPE = InnoDB;

CREATE INDEX openmpis.logIDX1 ON log(id);

-- =====================================================================

CREATE TABLE message
 (
   id        serial,
   date      date       not null,
   email     varchar(60)  not null,
   firstName  varchar(30)  not null,
   lastName   varchar(30)  not null,
   subject   varchar(60)  not null,
   message    text        not null,
   status    int2        not null default 0,
   ipAddress  varchar(30)  not null,
   personID   int4,
   userID    int4        not null,

   primary key(id)
 )
 TYPE = InnoDB;

CREATE INDEX openmpis.messageIDX1 ON message(id);

-- =====================================================================

CREATE TABLE person
 (
   id             serial,
   status          int2       not null default 0,
   type            int2       not null,
   firstName         varchar(30),
```

```
nickname          varchar(30),
middleName        varchar(30),
lastName          varchar(30),
birthMonth        int2,
birthDay          int2,
birthYear         int2,
street            varchar(60),
city              varchar(30),
province          varchar(30),
country           varchar(30),
sex               int2      not null,
feet              int2      not null,
inches            int2      not null,
weight            int2      not null,
religion          int2      not null default 0,
race              int2      not null default 0,
eyeColor          int2      not null default 0,
hairColor         int2      not null default 0,
medicalCondition  text,
marks             text      not null,
personalEffects   text      not null,
remarks           text,
monthMissingOrFound  int2   not null,
dayMissingOrFound    int2   not null,
yearMissingOrFound   int2   not null,
missingFromCity      varchar(30),
missingFromProvince  varchar(30),
missingFromCountry   varchar(30),
possibleCity         varchar(30),
possibleProvince     varchar(30),
possibleCountry      varchar(30),
circumstance         text,
reward            int4      default 0,
institution       varchar(60),
institutionStreet    varchar(60),
institutionCity      varchar(30),
institutionProvince  varchar(30),
institutionCountry   varchar(30),
institutionEmail     varchar(60),
institutionNumber    varchar(30),
photo             text,
agedPhoto         text,
codisID           varchar(30)  unique,
afisID            varchar(30)  unique,
dentalID          varchar(30)  unique,
date              date      not null,
encoderID         int4      not null,
investigatorID    int4,
relativeID        int4,
abductorID        int4,
relationToRelative   int2,
```

```
   relationToAbductor   int2,

   primary key(id)
 )
 TYPE = InnoDB;
```

CREATE INDEX openmpis.personIDX1 ON person(id);

-- ===

```
CREATE TABLE relative
 (
   id         serial,
   firstName   varchar(30)   not null,
   middleName  varchar(30)   not null,
   lastName    varchar(30)   not null,
   street      varchar(60)   not null,
   city        varchar(30)   not null,
   province    varchar(30)   not null,
   country     varchar(30)   not null,
   email       varchar(60),
   number      varchar(30)   unique not null,

   primary key(id)
 )
 TYPE = InnoDB;
```

CREATE INDEX openmpis.relativeIDX1 ON relative(id);

-- ===

```
CREATE TABLE report
 (
   id            serial,
   personID      int4     not null,
   investigatorID int4     not null,
   report        text     not null,
   date          date     not null,

   primary key(id)
 )
 TYPE = InnoDB;
```

CREATE INDEX openmpis.reportIDX1 ON report(id);

-- ===

```
CREATE TABLE user
 (
   id        serial,
   groupID     int2         not null,
```

```
    username     varchar(6)    unique not null,
    password     varchar(32)   not null,
    firstName    varchar(30)   not null,
    middleName   varchar(30)   not null,
    lastName     varchar(30)   not null,
    birthMonth   int2,
    birthDay     int2,
    birthYear    int2,
    email        varchar(60)   unique not null,
    designation  varchar(30)   not null,
    agency       varchar(60)   not null,
    number       varchar(30)   not null,
    ipAddress    varchar(30),
    lastLogin    date,
    date         date          not null,
    creatorID    int4          not null,
    status       int2          not null default 0,
    question     int2          not null,
    answer       varchar(30),

    primary key(id)
 )
TYPE = InnoDB;

CREATE INDEX openmpis.userIDX1 ON user(id);


-- =====================================================================

INSERT INTO user
(GROUPID, USERNAME, PASSWORD, FIRSTNAME, MIDDLENAME, LASTNAME, BIRTHMONTH,
BIRTHDAY, BIRTHYEAR,
EMAIL, DESIGNATION, AGENCY, NUMBER,
IPADDRESS, LASTLOGIN, DATE,
STATUS, QUESTION, ANSWER, CREATORID)
VALUES
(0, 'RB0106', MD5('admin[123]'), 'Rey Vincent', 'Potencio', 'Babilonia', '01', '06', '1982',
'rvbabilonia@gmail.com', 'SRSI', 'Advanced Science and Technology Institute', '+63 2 426 9760 ext.
1302',
'127.0.0.1', '2009-02-15', '2009-02-15',
0, 0, 'green', 0);

COMMIT;
-- =====================================================================
```

6. File Listing

These are the Web pages and Web-related files:

openmpis/web/
        index.jsp
        robots.txt
        sitemap.xml

openmpis/web/scripts/
        md5.js
        openmpis.js

openmpis/web/styles/
        missingfilipinos.css
        openmpis.css

openmpis/web/WEB-INF/
        errors/
                authorizationError.jsp
                error.jsp
                resourceError.jsp
                sessionError.jsp
        pages/
                home.jsp
                about/
                        about.jsp
                        accessibility.jsp
                        disclaimer.jsp
                        privacy.jsp
                        sitemap.jsp
                        terms.jsp
                feedback/
                        feedbackForm.jsp
                        feedbackSuccess.jsp
                form/
                        form.jsp
                        OpenMPIS Case Form 1.0.odt
                        OpenMPIS Case Form 1.0.pdf
                        OpenMPIS User Form 1.0.odt
                        OpenMPIS User Form 1.0.pdf
                password/
                        passwordForm.jsp
                        passwordSuccess.jsp
                  person/
                        listPersons.jsp
                        viewPersonForm.jsp
                  search/
                        searchForm.jsp
                        searchSuccess.jsp

session/
        abductorForm.jsp
        abductorSuccess.jsp
        addUserForm.jsp
        deleteAbductorForm.jsp
        deletePersonForm.jsp
        deleteRelativeForm.jsp
        deleteUserForm.jsp
        editUserForm.jsp
        index.jsp
        investigatorForm.jsp
        listMessages.jsp
        listReports.jsp
        listUsers.jsp
        loginForm.jsp
        logoutSuccess.jsp
        personForm.jsp
        personSuccess.jsp
        relativeForm.jsp
        relativeSuccess.jsp
        reportForm.jsp
        reportSuccess.jsp
        userSuccess.jsp
        viewMessageForm.jsp
sighting/
        sightingForm.jsp
        sightingSuccess.jsp
statistics/
        caseStatistics.jsp
        statistics.jsp
        userStatistics.jsp
tips/
        tips.jsp
struts-bean.tld
struts-config.xml
struts-html.tld
struts-logic.tld
struts-nested.tld
struts-tiles.tld
tags/
        footer.tag
        header.tag
tiles-defs.xml
validation.xml
validator-rules.xml
web.xml

These are the Java source codes and XML-based SQL maps:

openmpis/src/
        log4j.properties

mail.properties
sqlmapconfig.properties

openmpis/src/com/googlecode/openmpis/
    action/
        AbductorAction.java
        AuthenticateAction.java
        CaseAction.java
        FeedbackAction.java
        HomeAction.java
        LoginAction.java
        LogoutAction.java
        MessageAction.java
        package.html
        PasswordAction.java
        PersonAction.java
        RelativeAction.java
        ReportAction.java
        SearchAction.java
        UserAction.java
    dto/
        Abductor.java
        Log.java
        Message.java
        package.html
        Person.java
        Relative.java
        Report.java
        User.java
    form/
        AbductorForm.java
        FeedbackForm.java
        InvestigatorForm.java
        LoginForm.java
        MessageForm.java
        package.html
        PasswordForm.java
        PersonForm.java
        RelativeForm.java
        ReportForm.java
        SearchForm.java
        UserForm.java
    persistence/ibatis/
        abductor.xml
        dao/
            AbductorDAO.java
            impl/
                AbductorDAOImpl.java
                LogDAOImpl.java
                MessageDAOImpl.java
                package.html

PersonDAOImpl.java
RelativeDAOImpl.java
ReportDAOImpl.java
UserDAOImpl.java
LogDAO.java
MessageDAO.java
package.html
PersonDAO.java
RelativeDAO.java
ReportDAO.java
UserDAO.java
log.xml
message.xml
person.xml
relative.xml
report.xml
service/
AbductorService.java
impl/
AbductorServiceImpl.java
LogServiceImpl.java
MessageServiceImpl.java
package.html
PersonServiceImpl.java
RelativeServiceImpl.java
ReportServiceImpl.java
UserServiceImpl.java
LogService.java
MessageService.java
package.html
PersonService.java
RelativeService.java
ReportService.java
UserService.java
sqlmapconfig.xml
user.xml
resource/
ApplicationResource.properties
ApplicationResource__PH.properties
util/
Configuration.java
Constants.java
Mail.java
package.html
Pagination.java
SqlMapConfig.java
Validator.java