------------------ **TECHNICAL OVERVIEW** ------------------  
  
This project(database) is completely developed in open source web technologies mentioned as follow  
  
Front End : HTML, CSS, JavaScript, jQuery  
Back End : PHP  
Database : MySQL  
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I have tried to create overall project(database) with comments in each page for better readability.  
However, Overall project overview is as follow.

------------------ **PROJECT STRUCTURE** ------------------  
  
This project contains following files and folders. Purpose of all folders and files are described here.  
  
Project Folder (Path) : moleculeDB/  
Entry File : index.php  
Config File : **config.php** (described in senario)  
Root Files : project master files which can be considered as main files,  
 uses the other resources from following folders.  
  
Folders (moleculeDB/)  
- css/ ---> include global stylesheets of project  
- **doc/** ---> contains all documents related to this project  
- fonts/ ---> custom downloaded font used by stylesheets for this project  
- **function/** ---> function which contains algorithms used throughout this project  
- gen/ ---> include auto generated pm/ls files and logs.  
- img/ ---> contains all images used in this project  
- **include/** ---> contains sub files, which are includes by root files  
- js/ ---> all JavaScript files used in project  
- mailer/ ---> e-mail library for email function  
- test/ ---> test files which were created at the start of the project. not used in current working project  
  
------------------ **LIST OF DIPLAY FILES (FRONT END to BACK END)** ------------------  
  
To change static contents from any page in database, best way to track files from front end.

Steps:

- open database in browser  
- find any content needs to be change  
- read URL of browser (http://localhost/molecularDB/**mollist.php**?###)  
- check which page is opened in browser  
- go to that page (**ex. mollist.php**) from backend, find content that want to change  
- if not found, check for the 'include' tag. (**ex. include 'include/footer.php'** ) which contain some included file (ex. footer.php)  
- open that included file (ex. footer.php) and find content  
- change content  
  
Note : for home page(http://localhost/molecularDB/)--> **'index.php'**  
Detailed scenario with screenshots are described in separate file (**admin-scenario.php**)

Following are list of files, which are displayed in the browser. So it may help admin to edit static contents of website.  
  
  
**DISPLAYED PAGE** **BACKEND PAGE**--------------- ---------------  
/\* user pages \*/  
  
Home page index.php/welcome.php  
Molecule List mollist.php  
Molecule Detail moldetail.php  
Reference List reflist.php  
Nomenclature normen.php  
contact contact.php  
  
/\* admin pages \*/  
  
New Molecule addmol.php  
New Reference addRef.php  
Update Molecule updatemol.php  
Delete Molecule deletemol.php  
Update Reference updateRef.php  
Delete Reference deleteRef.php

------------------ **FILE NAMING CONVENTION** ------------------

overall naming convention of project files are as follow.

**FILENAME PATTERN** **PURPOSE**  
---------------- ----------  
'##list' file contain molecule list/reference list display  
'update##' file contain update algorithm for molecule/reference  
'delete##' file contain delete algorithm for molecule/reference  
'add##' file contain insert algorithm for molecule/reference  
'process##' all process files after user submit/user action   
'##Func' file contains function which used in project

throughout the project I have used some shortcuts in file name to understand what that file means.  
  
**ABBREVIATION**  **IDEA**  
------------- -------  
'mol' molecule  
'ref' reference  
'norm' nomenclature  
'mst' master data  
'det' detail data  
'down' download  
'gen' generate  
'up' update  
'delete' delete  
'add' insert  
'head' header

I think, mentioned information are enough to get idea about the purpose of file, by seeing filename  
  
**FOR EXAMPLE**------------  
  
**1.processUpRef = process + Up + Ref**  
- process : contain logic after user submit some data  
- Up : update logic  
- Ref : reference data  
- Overall idea : this file contain logic when admin request for update some specific reference  
  
**2.updatemol = update + mol**  
- update : update form  
- mol : of molecule  
- Overall idea : this file contain form of updating molecule  
  
**3.processUpdateHead: = process + update + head**  
- process : after submit form logic  
- update : update logic  
- head : header data ( reference or molecule - but reference don't have data in parts, molecule have -> header + detail)  
- Overall idea : this file contain logic to process data after user submit from for update molecule header.

Overview of database structure and tables are described in separate file (2.database-overview.pdf)  
Detailed scenario with screenshots are described in separate file (3.admin-scenario.pdf)

------------------ **THANK YOU**