BaKaPlan

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Class Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 3

File Index

3.1 File List

Here is a list of all documented files with brief descriptions:

Chapter 4

Class Documentation

4.1 ClassDetail Class Reference

```
#include <classdetail.h>
```

Inheritance diagram for ClassDetail:

```
┌─────────────────────┐
│ PageStructureMaker   │
└─────────────────────┘
          ▲
┌─────────────────────┐
│     PageLayout       │
└─────────────────────┘
          ▲
┌─────────────────────┐
│     InputDetail      │
└─────────────────────┘
          ▲
┌─────────────────────┐
│     ClassDetail      │
└─────────────────────┘
```
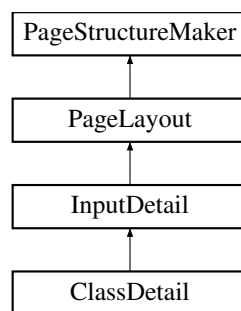
Public Member Functions

- ClassDetail ()
- void ProjectDetail ()
- void TotalClasses ()
- void TotalClassesPage ()
- void ClassInfoPage ()
- ∼ClassDetail ()
- void Header (string titleName)
- void Header ()
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)
    Convert String to Integer.
- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()

- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- int totalClasses
- string **className** [maxClasses]
- string **subjectCode** [maxClasses]
- string **subjectName** [maxClasses]
- string **tableHeading** [maxClasses]
- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string emailID
- string projectName
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**

- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.1.1 Detailed Description

== Class: ClassDetail Description: This class is used to get details of class from user. Like class name, total classes, subject details etc. ==

Definition at line 42 of file classdetail.h.

4.1.2 Constructor & Destructor Documentation

4.1.2.1 ClassDetail::ClassDetail ( )

Constructor

--- Incude header file which has ClassDetail's declaration ———————————————————————————— --- Defnition of member functions ———————————————————————— --- -- Class: ClassDetail Method: ClassDetail :: ClassDetail() Description: Constructor ---

Definition at line 37 of file classdetail.cc.

4.1.2.2 ClassDetail::∼ClassDetail ( )

Destructor

————————————————————————————

Class: ClassDetail

Method: ClassDetail :: ∼ClassDetail()

Description: Destructor

Definition at line 257 of file classdetail.cc.

4.1.3 Member Function Documentation

4.1.3.1 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.1.3.2 void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display </BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-: BodyEnd() Description: Display </BODY> --

Definition at line 180 of file pagestructure.cc.

4.1.3.3 void PageStructureMaker::BodyStart ( ) `[inherited]`

Display <BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-: BodyStart() Description: Display <BODY> --

Definition at line 166 of file pagestructure.cc.

4.1.3.4 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) --

Definition at line 452 of file pagestructure.cc.

4.1.3.5 void ClassDetail::ClassInfoPage ( )

Get class details like class name, subject name and subject code

-- Class: ClassDetail Method: ClassDetail :: ClassInfo() Description: Get class name, subject code and subject name from user. ---

Definition at line 183 of file classdetail.cc.

4.1.3.6 void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

————————————————————————————————————

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.1.3.7 void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.1.3.8 void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section ---

Definition at line 209 of file pagestructure.cc.

4.1.3.9 void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) -------------
----

Definition at line 195 of file pagestructure.cc.

4.1.3.10 void InputDetail::Footer ( ) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Footer() Description:
Common for all pages(end body, html) --

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.1.3.11 void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form ---

Definition at line 238 of file pagestructure.cc.

4.1.3.12 void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.1.3.13 void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. --
----

Definition at line 106 of file pagelayout.cc.

4.1.3.14 void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.1.3.15 void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout Method: PageLayout :: Header()
Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.1.3.16 void InputDetail::Header (string *titleName*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Header(string title-
Name) Description: common header for all pages(start html, head, body) --
----

Definition at line 50 of file inputdetail.cc.

4.1.3.17 void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.1.3.18 void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLEnd() Description: Display </HTML> --

Definition at line 86 of file pagestructure.cc.

4.1.3.19 void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLStart() Description: Display <HTML> Tag --

Definition at line 73 of file pagestructure.cc.

4.1.3.20 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.1.3.21 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

--- Class: PageStructureMaker Method: PageStructureMaker :-
: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button,
etc. --

Definition at line 368 of file pagestructure.cc.

4.1.3.22 string InputDetail::IntToString (int *value*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: IntToString(int value)
Description: Convert Int to String using stringstream object --

Definition at line 82 of file inputdetail.cc.

4.1.3.23 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file --

Definition at line 153 of file pagestructure.cc.

4.1.3.24 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*) `[inherited]`

Label tag

———————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.1.3.25 void PageStructureMaker::ListEnd (string *listType*) `[inherited]`

End List

———————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.1.3.26 void PageStructureMaker::ListItem (string *listItem*) `[inherited]`

List Item

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.1.3.27 void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.1.3.28 void PageLayout::Logo (string *logoName*) `[inherited]`

Logo on Page

--- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project ---

Definition at line 74 of file pagelayout.cc.

4.1.3.29 void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.1.3.30 void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

--- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) ---

Definition at line 51 of file pagelayout.cc.

4.1.3.31 void ClassDetail::ProjectDetail ( )

Read Project Detail and store them into database

——————————————————————————

Class: ClassDetail

Method: ClassDetail :: ProjectDetail() :: ProjectDetail()

Description: Reading project detail and store it into database

----

Definition at line 91 of file classdetail.cc.

4.1.3.32 void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldEnd() Description: Close select field ---

Definition at line 408 of file pagestructure.cc.

4.1.3.33 void PageStructureMaker::SelectFieldStart (string *name*) `[inherited]`

Select Field Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field --
----

Definition at line 395 of file pagestructure.cc.

4.1.3.34 void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option ---

Definition at line 438 of file pagestructure.cc.

4.1.3.35 void PageStructureMaker::SelectOptionStart (string *value,* string *selected*) `[inherited]`

Select Option Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select ---
----

Definition at line 422 of file pagestructure.cc.

4.1.3.36 void PageLayout::SetCookies (string *userEmailID,* string *sessionID*) `[inherited]`

For Cookies after login

——————————————————————————

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.1.3.37   void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---------------------
----

Definition at line 48 of file pagestructure.cc.

4.1.3.38   int InputDetail::StringToInt (string *value*) `[inherited]`

Convert String to Integer.

-- Class: ReadInputField Method: ReadInputField :: StringTo-
Int(string value) Description: Converts string value to integer --
Definition at line 97 of file inputdetail.cc.

4.1.3.39   void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableEnd() Description: Close Table tag --
Definition at line 266 of file pagestructure.cc.

4.1.3.40   void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ----------
----

Definition at line 252 of file pagestructure.cc.

4.1.3.41   void PageStructureMaker::Title (string *pageTitle*) `[inherited]`

Display <TITLE> </TITLE>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Title(string pageTitle) Description: Display Page Tile --
Definition at line 125 of file pagestructure.cc.

4.1.3.42   void ClassDetail::TotalClasses ( )

read total classes and store it into database

———————————————————————————————

Class: ClassDetail

Method: ClassDetail :: TotalClasses()

Description: Inserting totalClasses value ito database

Definition at line 108 of file classdetail.cc.

4.1.3.43 void ClassDetail::TotalClassesPage ( )

Get total classes

-- Class: ClassDetail Method: ClassDetail :: TotalClasses()
Description: Get Total classes from user ---

Definition at line 125 of file classdetail.cc.

4.1.4 Member Data Documentation

4.1.4.1 string InputDetail::emailID `[protected],[inherited]`

Email id

Definition at line 55 of file inputdetail.h.

4.1.4.2 InputFieldName InputDetail::fieldName `[protected],[inherited]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.1.4.3 string InputDetail::projectID `[protected],[inherited]`

Project ID

Definition at line 55 of file inputdetail.h.

4.1.4.4 string InputDetail::projectName `[protected],[inherited]`

Project Name

Definition at line 55 of file inputdetail.h.

4.1.4.5 string PageLayout::sessionID `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.1.4.6 string PageStructureMaker::startH1 `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

4.1.4.7 int ClassDetail::totalClasses `[protected]`

storing total classes

Definition at line 45 of file classdetail.h.

The documentation for this class was generated from the following files:

- src/classdetail.h
- src/classdetail.cc

4.2 Database Class Reference

`#include <database.h>`

Public Member Functions

- Database ()
- void SelectQuery (string column, string table, vector< string > &result)
- void SelectQuery (string column, string table, string &result, string where)
- void SelectColumn (string query, vector< string > &result)
- void Select (string &result)
    check select query is executed or not
- void SelectSum (string column, string table, string projectID, string &result)
- void SelectProjectID (string &projectID)
- void InsertUser (string userEmailID, string userPassword)
- void InsertQuery (string query)
- void **DeleteQuery** (string query)
- void InsertQuery (string column, string value, string table)
- void InsertSession (string emailID, string sessionID)
- void InsertProjectName (string emailID, string projectName)
- void InsertTotalClasses (string projectID, string totalClasses)
- void InsertClassDetail (string projectID, string className, string totalSubjects, string subjectName, string subjectCode)
- void InsertTotalCentres (string projectID, string totalCentre)
- void InsertRoomDetail (string projectID, string centreName, string roomNo, string rows, string columns)
- void InsertRollNoDetail (string projectID, string className, string subjectCode, string prefix, string startRoll-No, string endRollNo, string notIncluded)
- void InsertTotalRooms (string projectID, string centreName, string totalrooms)
- void InsertExamDetail (string projectID, string examName, string examDate, string examTime, string exam-Venue)
- void InsertStrategy (string projectID, string strategy)
- ∼Database ()

Protected Attributes

- MYSQL ∗ connect
- MYSQL_RES ∗ **res_set**
- MYSQL_ROW **row**
- unsigned int numrows
- string tLogin
- string **tRegister**
- string **tProjectDetail**
- int **i**
- int **j**
- string **query**

4.2.1   Detailed Description

-- Include header.h and database.h ——————————————
——————————————— ===
Class: Database Description: Database class for database accessability ===

Definition at line 34 of file database.h.

4.2.2   Constructor & Destructor Documentation

4.2.2.1   Database::Database (   )

Database Constructor

-- Include database.h file local header file(declaration of class) ————————————————————————————   -- Class: Database Method: Database :: Database() Description: Constructor to initialize database conectivity ----------- --

Definition at line 33 of file database.cc.

4.2.2.2   Database::∼Database (   )

Select last project Id of project name Database Destructor

-- Class: Database Method: Database :: ∼Database() Description: Destructor for closing database connectivity --

Definition at line 465 of file database.cc.

4.2.3   Member Function Documentation

4.2.3.1   void Database::InsertClassDetail (string *projectID,* string *className,* string *totalSubjects,* string *subjectName,* string *subjectCode*)

Insert into ClassDetail

————————————————————————————

Class: Database

Method: Database :: InsertClassDetail(projectID, className, subjectName, subjectCode)

Description: Inserting class detail into table

Definition at line 299 of file database.cc.

4.2.3.2   void Database::InsertExamDetail (string *projectID,* string *examName,* string *examDate,* string *examTime,* string *examVenue*)

Insert into exam detail

————————————————————————————

Class: Database

Method: Database :: InsertTotalRooms(projectID, examName, examDate, examTime, examVenue)

Description: store data into exam detail

Definition at line 419 of file database.cc.

4.2.3.3 void Database::InsertProjectName (string *emailID,* string *projectName*)

Insert Project detail into ProjectName table

————————————————————————————

Class: Database

Method: Database :: InsertIntoProjectName()

Description: Insert project name into ProjectName table

Definition at line 258 of file database.cc.

4.2.3.4 void Database::InsertQuery (string *query*)

Insert query with one argument

————————————————————————————

Class: Database

Method: Database :: InsertQuery(string query)

Description: Insrting value in database

Definition at line 169 of file database.cc.

4.2.3.5 void Database::InsertQuery (string *column,* string *value,* string *table*)

Insert Query for adding value in one column

————————————————————————————

Class: Database

Method: Database :: InsertQuery(string column, string value, string table)

Description: For inserting values in database

Definition at line 194 of file database.cc.

4.2.3.6 void Database::InsertRollNoDetail (string *projectID,* string *className,* string *subjectCode,* string *prefix,* string *startRollNo,* string *endRollNo,* string *notIncluded*)

Insert rollno details into RollNoDtail table

————————————————————————————

Class: Database

Method: Database :: InsertRollNoDetail()

Description: Insert roll no details into database

Definition at line 323 of file database.cc.

4.2.3.7   void Database::InsertRoomDetail (string *projectID,* string *centreName,* string *roomNo,* string *rows,* string *columns*)

Insert into roomDetail table

————————————————————————

Class: [Database]

Method: [Database] :: InsertRoomDetail(projectID, centreName, roomNo, rows, columns)

Description: Inserting room detail into table

Definition at line 367 of file database.cc.

4.2.3.8   void Database::InsertSession (string *emailID,* string *sessionID*)

Insert into Session table

————————————————————————

Class: [Database]

Method: [Database] :: InsertIntoSession(string emailID, string sessionID)

Description: Inserting Session information in database

Definition at line 239 of file database.cc.

4.2.3.9   void Database::InsertStrategy (string *projectID,* string *strategy*)

Insert into strategy

————————————————————————

Class: [Database]

Method: [Database] :: InsertTotalRooms(projectID, strategy)

Description: Strategy value into table

Definition at line 446 of file database.cc.

4.2.3.10   void Database::InsertTotalCentres (string *projectID,* string *totalCentre*)

Insert into totalcentres

————————————————————————

Class: [Database]

Method: [Database] :: InserttotalCentres(projectID,totalcentre)

Description: Inserting into table total centrres

Definition at line 346 of file database.cc.

4.2.3.11   void Database::InsertTotalClasses (string *projectID,* string *totalClasses*)

Insert Into TotalClasses

————————————————————————

Class: Database

Method: Database :: InsertTotalClasses(projectID, totalClasses)

Description: Inserting total classes into table with project ID

Definition at line 278 of file database.cc.

4.2.3.12 void Database::InsertTotalRooms (string *projectID,* string *centreName,* string *totalRooms*)

Insert Into TotalRooms

————————————————————————

Class: Database

Method: Database :: InsertTotalRooms(projectID, centreName, totalrooms)

Description: Inserting into total rooms

Definition at line 395 of file database.cc.

4.2.3.13 void Database::InsertUser (string *userEmailID,* string *userPassword*)

For inserting new user in database

————————————————————————

Class: Database

Method: Database :: InsertIntoUser(string userEmailID, string userPassword)

Description: Inserting new user details into database

Definition at line 217 of file database.cc.

4.2.3.14 void Database::Select (string & *result*)

check select query is executed or not

Select query for project id

Parameters

result	

Definition at line 153 of file database.cc.

4.2.3.15 void Database::SelectColumn (string *query,* vector< string > & *result*)

Seclect Column

————————————————————————

Class: Database

Method: Database :: SelectColumn

Description: Select column from table

Definition at line 129 of file database.cc.

4.2.3.16   void Database::SelectProjectID (string & *projectID*)

select project id from ProjectName table

Definition at line 95 of file database.cc.

4.2.3.17   void Database::SelectQuery (string *column,* string *table,* vector< string > & *result*)

For executing MySQL query

——————————————————————

Class: Database

Method: Database :: SelectQuery(string column, string table)

Description: Executing MySQL Select Query and returns string value

----

Definition at line 59 of file database.cc.

4.2.3.18   void Database::SelectQuery (string *column,* string *table,* string & *result,* string *where*)

Select query with where clause

——————————————————————

Class: Database

Method: Database :: SelectQuery(column, table, result, where)

Description: Select column value with where clause

Definition at line 79 of file database.cc.

4.2.3.19   void Database::SelectSum (string *column,* string *table,* string *projectID,* string & *result*)

Select sum of column

——————————————————————

Class: Database

Method: Database :: SelectSum(column, table, result)

Description: Select sum of totalSubjects from ClassDetail table

----

Definition at line 113 of file database.cc.

4.2.4   Member Data Documentation

4.2.4.1   MYSQL∗ Database::connect `[protected]`

MySQL connectivity Variables

Definition at line 38 of file database.h.

4.2.4.2 unsigned int Database::numrows `[protected]`

unsigned int variable

Definition at line 43 of file database.h.

4.2.4.3 string Database::tLogin `[protected]`

Table names tTablename

Definition at line 46 of file database.h.

The documentation for this class was generated from the following files:

- src/database.h
- src/database.cc

4.3 InputDetail Class Reference

`#include <inputdetail.h>`

Inheritance diagram for InputDetail:
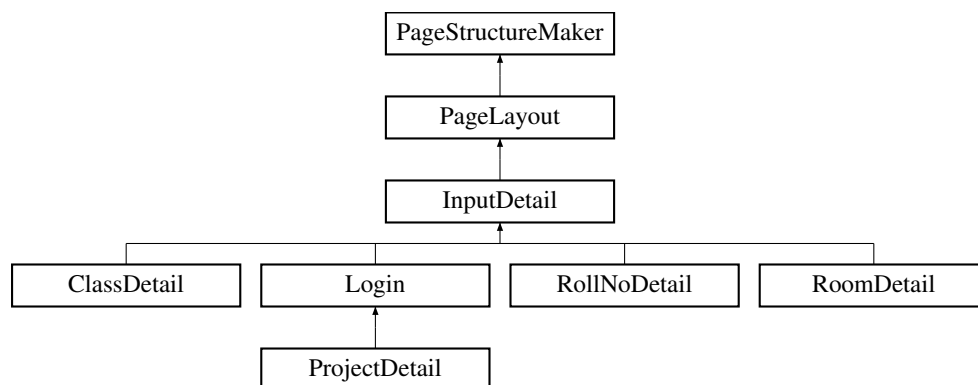
Public Member Functions

- InputDetail ()
- void Header (string titleName)
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)
    Convert String to Integer.
- void Header ()
- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()

- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string emailID
- string projectName
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.3.1 Detailed Description

-- Include local header files ————————————
——————————— ==
Class: InputDetail Description: Include common variables, functions that are used by derived classes
===

Definition at line 39 of file inputdetail.h.

4.3.2 Constructor & Destructor Documentation

4.3.2.1 InputDetail::InputDetail ( )

--- Include detail.h file ————————————————————
——————— -- Definition of member functions ————————————
——————————————————— -- Class: InputDetail Method: Input-
Detail :: InputDetail() Description: Constructor --

Definition at line 37 of file inputdetail.cc.

4.3.3 Member Function Documentation

4.3.3.1 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

————————————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.3.3.2 void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display </BODY>

--- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyEnd() Description: Display </BODY> --

Definition at line 180 of file pagestructure.cc.

4.3.3.3 void PageStructureMaker::BodyStart ( ) `[inherited]`

Display <BODY>

--- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyStart() Description: Display <BODY> --

Definition at line 166 of file pagestructure.cc.

4.3.3.4 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.3.3.5 void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

————————————————————————

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.3.3.6 void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-
SS(string href) Description: Add External CSS file ---

Definition at line 138 of file pagestructure.cc.

4.3.3.7 void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section ---

Definition at line 209 of file pagestructure.cc.

4.3.3.8 void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) ------------
----

Definition at line 195 of file pagestructure.cc.

4.3.3.9 void InputDetail::Footer ( )

-- Class: InputDetail Method: InputDetail :: Footer() Description:
Common for all pages(end body, html) ---

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.3.3.10 void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.3.3.11   void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.3.3.12   void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. --
----

Definition at line 106 of file pagelayout.cc.

4.3.3.13   void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.3.3.14   void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout Method: PageLayout :: Header()
Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.3.3.15   void InputDetail::Header (string *titleName*)

-- Class: InputDetail Method: InputDetail :: Header(string title-
Name) Description: common header for all pages(start html, head, body) --
----

Definition at line 50 of file inputdetail.cc.

4.3.3.16   void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.3.3.17 void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

--- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLEnd() Description: Display </HTML> ---

Definition at line 86 of file pagestructure.cc.

4.3.3.18 void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

--- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLStart() Description: Display <HTML> Tag ---

Definition at line 73 of file pagestructure.cc.

4.3.3.19 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.3.3.20 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

--- Class: PageStructureMaker Method: PageStructureMaker :-: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button, etc. ---

Definition at line 368 of file pagestructure.cc.

4.3.3.21 string InputDetail::IntToString (int *value*)

--- Class: InputDetail Method: InputDetail :: IntToString(int value) Description: Convert Int to String using stringstream object ---

Definition at line 82 of file inputdetail.cc.

4.3.3.22 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

--- Class: PageStructureMaker Method: PageStructureMaker :-: Javascript(string src) Description: Add external Javascript file ---

Definition at line 153 of file pagestructure.cc.

4.3.3.23   void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*)   `[inherited]`

Label tag

——————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.3.3.24   void PageStructureMaker::ListEnd (string *listType*)   `[inherited]`

End List

——————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.3.3.25   void PageStructureMaker::ListItem (string *listItem*)   `[inherited]`

List Item

——————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.3.3.26   void PageStructureMaker::ListStart (string *listType*)   `[inherited]`

Start List

——————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.3.3.27   void PageLayout::Logo (string *logoName*)   `[inherited]`

Logo on Page

--- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project ---

Definition at line 74 of file pagelayout.cc.

4.3.3.28   void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

———————————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.3.3.29   void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

--- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) --

Definition at line 51 of file pagelayout.cc.

4.3.3.30   void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

--- Class: PageStructureMaker Method: PageStructureMaker :-: SelectFieldEnd() Description: Close select field --

Definition at line 408 of file pagestructure.cc.

4.3.3.31   void PageStructureMaker::SelectFieldStart (string *name* **)** `[inherited]`

Select Field Start

--- Class: PageStructureMaker Method: PageStructureMaker :-: SelectFieldStart(string name) Description: Create Select Field ---

Definition at line 395 of file pagestructure.cc.

4.3.3.32   void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

--- Class: PageStructureMaker Method: PageStructureMaker :-: SelectOptionEnd() Description: Close select option --

Definition at line 438 of file pagestructure.cc.

4.3.3.33   void PageStructureMaker::SelectOptionStart (string *value,* **string** *selected* **)** `[inherited]`

Select Option Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select ---
----

Definition at line 422 of file pagestructure.cc.

4.3.3.34 void PageLayout::SetCookies (string *userEmailID,* string *sessionID*) `[inherited]`

For Cookies after login

───

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.3.3.35 void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---------------------
----

Definition at line 48 of file pagestructure.cc.

4.3.3.36 int InputDetail::StringToInt (string *value*)

Convert String to Integer.

-- Class: ReadInputField Method: ReadInputField :: StringTo-
Int(string value) Description: Converts string value to integer --

Definition at line 97 of file inputdetail.cc.

4.3.3.37 void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table
-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableEnd() Description: Close Table tag --

Definition at line 266 of file pagestructure.cc.

4.3.3.38 void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ----------
----

Definition at line 252 of file pagestructure.cc.

4.3.3.39 **void PageStructureMaker::Title (string** *pageTitle* **)** `[inherited]`

Display <TITLE> </TITLE>

-- Class: PageStructureMaker Method: PageStructureMaker :-: Title(string pageTitle) Description: Display Page Tile --

Definition at line 125 of file pagestructure.cc.

4.3.4 Member Data Documentation

4.3.4.1 **string InputDetail::emailID** `[protected]`

Email id

Definition at line 55 of file inputdetail.h.

4.3.4.2 **InputFieldName InputDetail::fieldName** `[protected]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.3.4.3 **string InputDetail::projectID** `[protected]`

Project ID

Definition at line 55 of file inputdetail.h.

4.3.4.4 **string InputDetail::projectName** `[protected]`

Project Name

Definition at line 55 of file inputdetail.h.

4.3.4.5 **string PageLayout::sessionID** `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.3.4.6 **string PageStructureMaker::startH1** `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

The documentation for this class was generated from the following files:

- src/inputdetail.h
- src/inputdetail.cc

4.4 InputFieldName Class Reference

`#include <inputfieldname.h>`

Public Member Functions

- InputFieldName ()
- void SetFieldNames ()

Public Attributes

- string className
- string totalClasses
- string totalSubjects
- string subjectCode
- string subjectName
- string prefix
- string startRollNo
- string endRollNo
- string notIncluded
- string projectName
- string projectID
- string emailID
- string password
- string retypePassword
- string totalCentres
- string totalRooms
- string centreName
- string roomNo
- string rows
- string columns
- string strategyChoice
- string examName
- string examDate
- string examTime
- string examVenue

4.4.1 Detailed Description

-- Include local header file that has global header files ——————
———————————————————— ==
Class: InputFieldName Description: This class has variable names for all fields that are used to take input from user. ==

Definition at line 34 of file inputfieldname.h.

4.4.2 Constructor & Destructor Documentation

4.4.2.1 InputFieldName::InputFieldName (   )

Constructor

--- Include header file that contains InputFieldName Class's Declaration ——————————————————————————— --- Definition of member functions ——————————————————————————— ---
---------------- Class: InputFieldName Method: InputFieldName :: InputFieldName() Description: Constructor calls
SetFieldNames() ---

Definition at line 38 of file inputfieldname.cc.

4.4.3 Member Function Documentation

4.4.3.1 void InputFieldName::SetFieldNames ( )

Set Field Values

-- Class: InputFieldName Method: InputFieldName :: SetField-
Names() Description: Assign Values of field names in its respective variables. ---
----

Definition at line 52 of file inputfieldname.cc.

4.4.4 Member Data Documentation

4.4.4.1 string InputFieldName::centreName

Center Name

Definition at line 58 of file inputfieldname.h.

4.4.4.2 string InputFieldName::className

ClassName

Definition at line 41 of file inputfieldname.h.

4.4.4.3 string InputFieldName::columns

Columns in room

Definition at line 58 of file inputfieldname.h.

4.4.4.4 string InputFieldName::emailID

Email Field

Definition at line 58 of file inputfieldname.h.

4.4.4.5 string InputFieldName::endRollNo

ending rollno

Definition at line 41 of file inputfieldname.h.

4.4.4.6 string InputFieldName::examDate

Examination Date

Definition at line 58 of file inputfieldname.h.

4.4.4.7 string InputFieldName::examName

Examination Name

Definition at line 58 of file inputfieldname.h.

4.4.4.8 string InputFieldName::examTime

Examination Time

Definition at line 58 of file inputfieldname.h.

4.4.4.9 string InputFieldName::examVenue

Examination Venue

Definition at line 58 of file inputfieldname.h.

4.4.4.10 string InputFieldName::notIncluded

roll that are not included in seating plan

Definition at line 41 of file inputfieldname.h.

4.4.4.11 string InputFieldName::password

Password field

Definition at line 58 of file inputfieldname.h.

4.4.4.12 string InputFieldName::prefix

Prefix of rollno

Definition at line 41 of file inputfieldname.h.

4.4.4.13 string InputFieldName::projectID

Project ID

Definition at line 41 of file inputfieldname.h.

4.4.4.14 string InputFieldName::projectName

Project Name

Definition at line 41 of file inputfieldname.h.

4.4.4.15 string InputFieldName::retypePassword

Retype Password

Definition at line 58 of file inputfieldname.h.

4.4.4.16 string InputFieldName::roomNo

Room Nos w.r.t to centre name

Definition at line 58 of file inputfieldname.h.

4.4.4.17 string InputFieldName::rows

Rows of room

Definition at line 58 of file inputfieldname.h.

4.4.4.18 string InputFieldName::startRollNo

starting roll no

Definition at line 41 of file inputfieldname.h.

4.4.4.19 string InputFieldName::strategyChoice

Strategy option selected by user

Definition at line 58 of file inputfieldname.h.

4.4.4.20 string InputFieldName::subjectCode

SubjectCode

Definition at line 41 of file inputfieldname.h.

4.4.4.21 string InputFieldName::subjectName

SubjectName

Definition at line 41 of file inputfieldname.h.

4.4.4.22 string InputFieldName::totalCentres

Total centres

Definition at line 58 of file inputfieldname.h.

4.4.4.23 string InputFieldName::totalClasses

TotalClasses

Definition at line 41 of file inputfieldname.h.

4.4.4.24 string InputFieldName::totalRooms

Total Rooms w.r.t centers name

Definition at line 58 of file inputfieldname.h.

4.4.4.25 string InputFieldName::totalSubjects

TotalSubjects

Definition at line 41 of file inputfieldname.h.

The documentation for this class was generated from the following files:

- src/inputfieldname.h
- src/inputfieldname.cc

4.5 JavaScript Class Reference

```
#include <javascript.h>
```

Public Member Functions

- JavaScript ()
- void OnFocusEvent ()
- void OnChangeEvent ()

4.5.1 Detailed Description

-- Include header.h file ————————————————————————
——— === Class: JavaScript
Description: For creating .js files ==
Definition at line 33 of file javascript.h.

4.5.2 Constructor & Destructor Documentation

4.5.2.1 JavaScript::JavaScript ( )

Constructor

————————————————————————————————-

Include javascript.h file

———————————————————————————— ————————————————————————————

Class: JavaScript

Method: JavaScript :: JavaScript()

Description: Constructor

Definition at line 34 of file javascript.cc.

4.5.3 Member Function Documentation

4.5.3.1 void JavaScript::OnChangeEvent ( )

onchange func. of javascript for i/p fields

4.5.3.2 void JavaScript::OnFocusEvent ( )

For input fields(onfocus action)

————————————————————————————————

Class: JavaScript

Method: JavaScript :: OnFocusEvent()

Description: method for onfocus function in jascript

Definition at line 47 of file javascript.cc.

The documentation for this class was generated from the following files:

- src/javascript.h
- src/javascript.cc

4.6 Login Class Reference

`#include <login.h>`

Inheritance diagram for Login:
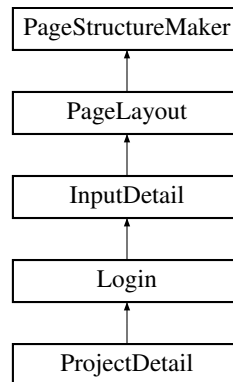
Public Member Functions

- Login ()
- void LoginPage (string msg="", string emailID="xz@abc.com", string password="123456")
- void ReadLoginDetail ()
- void RegisterPage (string msg="", string emailID="xz@abc.com", string password="123456")
- void AddNewUser ()
- void SelectLoginDetail ()
- void AlreadyLoggedIn ()
- void LogoutPage ()
- ∼Login ()
- void Header (string titleName)
- void Header ()
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)

    Convert String to Integer.
- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)

- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- vector< string > emailID
- vector< string > password
- string userEmailID
- string userPassword
- string retypePassword
- string msg
- string currentDate
- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string projectName
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**

- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.6.1 Detailed Description

-- Include required header files ————————————
————————— == Class:
[Login](#) Description: [Login](#) class for user login ===

Definition at line 34 of file login.h.

4.6.2 Constructor & Destructor Documentation

4.6.2.1 Login::Login ( )

Constructor

-- Include [login.h](#) header file ————————————————————
————————— ——————————————————————————————

Class: [Login](#)

Method: [Login](#) :: [Login()](#)

Description: Constructor

Definition at line 33 of file login.cc.

4.6.2.2 Login::∼Login ( ) `[inline]`

Destructor

Definition at line 78 of file login.h.

4.6.3 Member Function Documentation

4.6.3.1 void Login::AddNewUser ( )

Add new user in database

————————————————————————————————

Class: [Login](#)

Method: [Login](#) :: [AddNewUser()](#)

Description: Adding new user into database and if user already exists then move back to register page for unique email id

----

Definition at line 186 of file login.cc.

4.6.3.2 void Login::AlreadyLoggedIn ( )

Check user If already logged in

————————————————————————

Class: Login

Method: Login :: AlreadyLoggedIn()

Description: Check if user already logged in not allow to log in

----

Definition at line 238 of file login.cc.

4.6.3.3 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.6.3.4 void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display </BODY>
-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyEnd() Description: Display </BODY> --

Definition at line 180 of file pagestructure.cc.

4.6.3.5 void PageStructureMaker::BodyStart ( ) `[inherited]`

Display <BODY>
-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyStart() Description: Display <BODY> --

Definition at line 166 of file pagestructure.cc.

4.6.3.6 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button
-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.6.3.7 void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

————————————————————————

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.6.3.8   void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.6.3.9   void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :: DivEnd() Description: Close Div Section --

Definition at line 209 of file pagestructure.cc.

4.6.3.10   void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) --

Definition at line 195 of file pagestructure.cc.

4.6.3.11   void InputDetail::Footer ( ) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Footer() Description: Common for all pages(end body, html) --

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.6.3.12   void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.6.3.13   void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-T/POST) --

Definition at line 223 of file pagestructure.cc.

4.6.3.14   void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-Name) Description: Head Section of page, titlaName pass to Title function. --

Definition at line 106 of file pagelayout.cc.

4.6.3.15   void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.6.3.16   void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout   Method: PageLayout   ::   Header() Description: Call Menu Function ---

Definition at line 89 of file pagelayout.cc.

4.6.3.17   void InputDetail::Header (string *titleName*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Header(string title-Name) Description: common header for all pages(start html, head, body) --

Definition at line 50 of file inputdetail.cc.

4.6.3.18   void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-: HeadStart() Description: Display <HEAD> ---

Definition at line 99 of file pagestructure.cc.

4.6.3.19   void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLEnd() Description: Display </HTML> ---

Definition at line 86 of file pagestructure.cc.

4.6.3.20   void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLStart() Description: Display <HTML> Tag ---

Definition at line 73 of file pagestructure.cc.

4.6.3.21 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.6.3.22 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

--- Class: PageStructureMaker Method: PageStructureMaker :-
: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button,
etc. ---

Definition at line 368 of file pagestructure.cc.

4.6.3.23 string InputDetail::IntToString (int *value*) `[inherited]`

--- Class: InputDetail Method: InputDetail :: IntToString(int value)
Description: Convert Int to String using stringstream object ---

Definition at line 82 of file inputdetail.cc.

4.6.3.24 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

--- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file ---

Definition at line 153 of file pagestructure.cc.

4.6.3.25 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*) `[inherited]`

Label tag

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.6.3.26 void PageStructureMaker::ListEnd (string *listType*) `[inherited]`

End List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.6.3.27   void PageStructureMaker::ListItem (string *listItem*) `[inherited]`

List Item

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.6.3.28   void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.6.3.29   void Login::LoginPage (string *msg =* `" "`*, string *emailID =* `"xz@abc.com"`*, string *password =* `"123456"`)

Creating login page

————————————————————————

Class: Login

Method: Login :: LoginPage()

Description: Form for user login

Definition at line 88 of file login.cc.

4.6.3.30   void PageLayout::Logo (string *logoName*) `[inherited]`

Logo on Page

--- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project --

Definition at line 74 of file pagelayout.cc.

4.6.3.31 void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.6.3.32 void Login::LogoutPage ( )

Logout Page

————————————————————————

Class: Login

Method: Login :: LogoutPage()

Description: Logout Page

Definition at line 224 of file login.cc.

4.6.3.33 void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

-- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) --

Definition at line 51 of file pagelayout.cc.

4.6.3.34 void Login::ReadLoginDetail ( )

Read Login Detail

————————————————————————

Class: Login

Method: Login :: ReadLoginDetail()

Description: Reading login detail from text fileds given by user

----

Definition at line 74 of file login.cc.

4.6.3.35 void Login::RegisterPage (string *msg* = `" "`, string *emailID* = `"xz@abc.com"`, string *password* = `"123456"`)

Register user page

————————————————————————

Class: Login

Method: Login :: RegisterPage()

Description: Register new user

————————————————————————

Definition at line 136 of file login.cc.

4.6.3.36 **void PageStructureMaker::SelectFieldEnd ( )** `[inherited]`

End Select Field

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldEnd() Description: Close select field ---

Definition at line 408 of file pagestructure.cc.

4.6.3.37 **void PageStructureMaker::SelectFieldStart (string *name*)** `[inherited]`

Select Field Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field --
----

Definition at line 395 of file pagestructure.cc.

4.6.3.38 **void Login::SelectLoginDetail ( )**

For selecting emial and password fron user table

───

Class: Login

Method: Login :: SelectLoginDetail()

Description: For reading email id's and passwords from User table

----

Definition at line 46 of file login.cc.

4.6.3.39 **void PageStructureMaker::SelectOptionEnd ( )** `[inherited]`

Selct Option End

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option ---

Definition at line 438 of file pagestructure.cc.

4.6.3.40 **void PageStructureMaker::SelectOptionStart (string *value,* string *selected*)** `[inherited]`

Select Option Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select --
----

Definition at line 422 of file pagestructure.cc.

4.6.3.41 **void PageLayout::SetCookies (string *userEmailID,* string *sessionID*)** `[inherited]`

For Cookies after login

_____

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.6.3.42   void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

--- Class: PageStructureMaker Method: PageStructureMaker :-: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---

Definition at line 48 of file pagestructure.cc.

4.6.3.43   int InputDetail::StringToInt (string *value*) `[inherited]`

Convert String to Integer.

--- Class: ReadInputField Method: ReadInputField :: StringToInt(string value) Description: Converts string value to integer --

Definition at line 97 of file inputdetail.cc.

4.6.3.44   void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table

--- Class: PageStructureMaker Method: PageStructureMaker :-: TableEnd() Description: Close Table tag --

Definition at line 266 of file pagestructure.cc.

4.6.3.45   void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

--- Class: PageStructureMaker Method: PageStructureMaker :-: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ---

Definition at line 252 of file pagestructure.cc.

4.6.3.46   void PageStructureMaker::Title (string *pageTitle*) `[inherited]`

Display <TITLE> </TITLE>

--- Class: PageStructureMaker Method: PageStructureMaker :-: Title(string pageTitle) Description: Display Page Tile --

Definition at line 125 of file pagestructure.cc.

4.6.4   Member Data Documentation

4.6.4.1 string Login::currentDate `[protected]`

Currennt Date

Definition at line 46 of file login.h.

4.6.4.2 vector<string> Login::emailID `[protected]`

For storting email and password of users Email ID as vector

Definition at line 39 of file login.h.

4.6.4.3 InputFieldName InputDetail::fieldName `[protected],[inherited]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.6.4.4 string Login::msg `[protected]`

Msg string to show error message

Definition at line 46 of file login.h.

4.6.4.5 vector<string> Login::password `[protected]`

password as vector variable

Definition at line 39 of file login.h.

4.6.4.6 string InputDetail::projectID `[protected],[inherited]`

Project ID

Definition at line 55 of file inputdetail.h.

4.6.4.7 string InputDetail::projectName `[protected],[inherited]`

Project Name

Definition at line 55 of file inputdetail.h.

4.6.4.8 string Login::retypePassword `[protected]`

For reading password

Definition at line 42 of file login.h.

4.6.4.9 string PageLayout::sessionID `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.6.4.10   string PageStructureMaker::startH1 `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

4.6.4.11   string Login::userEmailID `[protected]`

For reading emailID in text field

Definition at line 42 of file login.h.

4.6.4.12   string Login::userPassword `[protected]`

For reading password in text field

Definition at line 42 of file login.h.

The documentation for this class was generated from the following files:

- src/login.h
- src/login.cc

4.7   MD5 Class Reference

Public Types

- typedef unsigned int **size_type**

Public Member Functions

- **MD5** (const std::string &text)
- void **update** (const unsigned char ∗buf, size_type length)
- void **update** (const char ∗buf, size_type length)
- MD5 & **finalize** ()
- std::string **hexdigest** () const

Friends

- std::ostream & **operator**<< (std::ostream &, MD5 md5)

4.7.1   Detailed Description

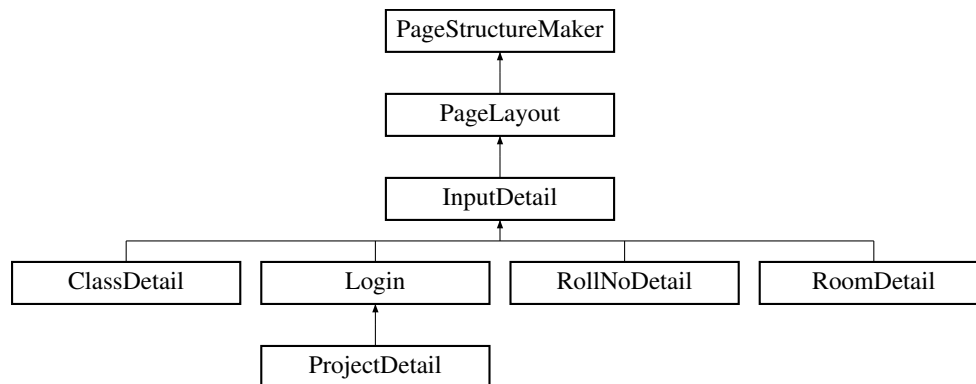Definition at line 69 of file md5.h.

The documentation for this class was generated from the following files:

- src/md5.h
- src/md5.cc

4.8 PageLayout Class Reference

```
#include <pagelayout.h>
```

Inheritance diagram for PageLayout:

```
        ┌─────────────────────┐
        │  PageStructureMaker  │
        └─────────────────────┘
                  ▲
        ┌─────────────────────┐
        │     PageLayout      │
        └─────────────────────┘
                  ▲
        ┌─────────────────────┐
        │     InputDetail     │
        └─────────────────────┘
                  ▲
  ┌──────────┬──────────┬──────────┬──────────┐
┌──────────┐┌──────────┐┌──────────────┐┌──────────┐
│ClassDetail││  Login   ││  RollNoDetail ││RoomDetail│
└──────────┘└──────────┘└──────────────┘└──────────┘
                  ▲
            ┌──────────────┐
            │ ProjectDetail │
            └──────────────┘
```

Public Member Functions

- PageLayout ()
- void Header ()
- void Footer ()
- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)

- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- string **projectName**
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.8.1 Detailed Description

--- Include required header files ——————————————— —————————— == Class: PageLayout : public PageStructureMaker Description: For adding header and footer to page ==

Definition at line 33 of file pagelayout.h.

4.8.2 Constructor & Destructor Documentation

4.8.2.1 PageLayout::PageLayout ( )

Constructor

-- Include local header file ——————————————————— —————— -- Function Definitions of PageLayout Class ————————————————————————————— -- Class: PageLayout Method: PageLayout :: PageLayout() Description: Constructor ---

Definition at line 38 of file pagelayout.cc.

4.8.3 Member Function Documentation

4.8.3.1 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

———————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.8.3.2   void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display </BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-: BodyEnd() Description: Display </BODY> --

Definition at line 180 of file pagestructure.cc.

4.8.3.3   void PageStructureMaker::BodyStart ( ) `[inherited]`

Display <BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-: BodyStart() Description: Display <BODY> --

Definition at line 166 of file pagestructure.cc.

4.8.3.4   void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) --

Definition at line 452 of file pagestructure.cc.

4.8.3.5   void PageLayout::ContextType (   )

Context-Type header

───

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.8.3.6   void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.8.3.7 void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section --

Definition at line 209 of file pagestructure.cc.

4.8.3.8 void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) -------------
----

Definition at line 195 of file pagestructure.cc.

4.8.3.9 void PageLayout::Footer ( )

Footer Section of Page

-- Class: PageLayout Method: PageLayout :: Footer()
Description: Footer of pages --

Reimplemented in InputDetail.

Definition at line 190 of file pagelayout.cc.

4.8.3.10 void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.8.3.11 void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.8.3.12 void PageLayout::Head (string *titleName*)

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. --
----

Definition at line 106 of file pagelayout.cc.

4.8.3.13   void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.8.3.14   void PageLayout::Header ( )

Header Section of Page

-- Class: PageLayout Method: PageLayout ::   Header()
Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.8.3.15   void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.8.3.16   void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLEnd() Description: Display </HTML> --

Definition at line 86 of file pagestructure.cc.

4.8.3.17   void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLStart() Description: Display <HTML> Tag --

Definition at line 73 of file pagestructure.cc.

4.8.3.18   void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

—————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.8.3.19 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

-- Class: PageStructureMaker Method: PageStructureMaker :-
: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button,
etc. --

Definition at line 368 of file pagestructure.cc.

4.8.3.20 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file --

Definition at line 153 of file pagestructure.cc.

4.8.3.21 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*) `[inherited]`

Label tag

——————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.8.3.22 void PageStructureMaker::ListEnd (string *listType*) `[inherited]`

End List

——————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.8.3.23 void PageStructureMaker::ListItem (string *listItem*) `[inherited]`

List Item

——————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.8.3.24 void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.8.3.25 void PageLayout::Logo (string *logoName*)

Logo on Page

-- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project --

Definition at line 74 of file pagelayout.cc.

4.8.3.26 void PageLayout::LogoutLink ( )

Logout link

————————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.8.3.27 void PageLayout::Menu ( )

List/Menu Navigation()

-- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) --

Definition at line 51 of file pagelayout.cc.

4.8.3.28 void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

-- Class: PageStructureMaker Method: PageStructureMaker :-: SelectFieldEnd() Description: Close select field --

Definition at line 408 of file pagestructure.cc.

4.8.3.29 void PageStructureMaker::SelectFieldStart (string *name*) `[inherited]`

Select Field Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field --
----

Definition at line 395 of file pagestructure.cc.

4.8.3.30   void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option ---

Definition at line 438 of file pagestructure.cc.

4.8.3.31   void PageStructureMaker::SelectOptionStart (string *value,* string *selected*) `[inherited]`

Select Option Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select --
----

Definition at line 422 of file pagestructure.cc.

4.8.3.32   void PageLayout::SetCookies (string *userEmailID,* string *sessionID*)

For Cookies after login

───

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.8.3.33   void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ----------------------
----

Definition at line 48 of file pagestructure.cc.

4.8.3.34   void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table

--- Class: PageStructureMaker Method: PageStructureMaker :-
: TableEnd() Description: Close Table tag ---

Definition at line 266 of file pagestructure.cc.

4.8.3.35 void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ---------
----

Definition at line 252 of file pagestructure.cc.

4.8.3.36 void PageStructureMaker::Title (string *pageTitle*) `[inherited]`

Display <TITLE> </TITLE>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Title(string pageTitle) Description: Display Page Tile ---

Definition at line 125 of file pagestructure.cc.

4.8.4 Member Data Documentation

4.8.4.1 string PageLayout::sessionID `[protected]`

Session ID

Definition at line 40 of file pagelayout.h.

4.8.4.2 string PageStructureMaker::startH1 `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

The documentation for this class was generated from the following files:

- src/pagelayout.h
- src/pagelayout.cc

4.9 PageStructureMaker Class Reference

`#include <pagestructure.h>`

Inheritance diagram for PageStructureMaker:
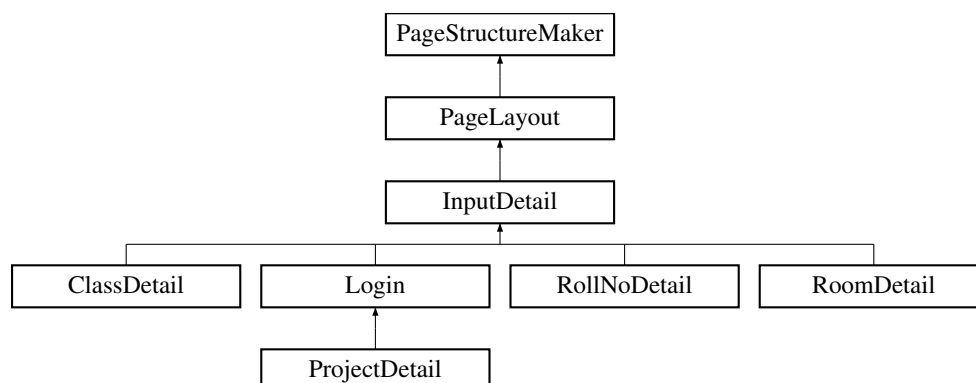
Public Member Functions

- PageStructureMaker ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.9.1 Detailed Description

Include Header file == Class: PageStructureMaker Description: Declaration ==

Definition at line 31 of file pagestructure.h.

4.9.2 Constructor & Destructor Documentation

4.9.2.1 PageStructureMaker::PageStructureMaker ( )

Constructor

-- Include htmltags.h header files ─────────────────────────
──────────── -- Class: PageStructureMaker Method: Page-
StructureMaker :: PageStructureMaker() Description: Constructor --
----

Definition at line 33 of file pagestructure.cc.

4.9.3 Member Function Documentation

4.9.3.1 void PageStructureMaker::Anchor (string *href,* string *target*)

Anchor Tag

──

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.9.3.2 void PageStructureMaker::BodyEnd ( )

Display </BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyEnd() Description: Display </BODY> ---
Definition at line 180 of file pagestructure.cc.

4.9.3.3 void PageStructureMaker::BodyStart ( )

Display <BODY>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyStart() Description: Display <BODY> ---
Definition at line 166 of file pagestructure.cc.

4.9.3.4 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*)

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.9.3.5 void PageStructureMaker::CSS (string *href*)

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.9.3.6 void PageStructureMaker::DivEnd ( )

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-: DivEnd() Description: Close Div Section --

Definition at line 209 of file pagestructure.cc.

4.9.3.7 void PageStructureMaker::DivStart (string *id,* string *className*)

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) ---

Definition at line 195 of file pagestructure.cc.

4.9.3.8 void PageStructureMaker::FormEnd ( )

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.9.3.9 void PageStructureMaker::FormStart (string *name,* string *action,* string *method*)

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-T/POST) --

Definition at line 223 of file pagestructure.cc.

4.9.3.10 void PageStructureMaker::HeadEnd ( )

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.9.3.11 void PageStructureMaker::HeadStart ( )

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.9.3.12 void PageStructureMaker::HTMLEnd ( )

Display </HTML>

--- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLEnd() Description: Display </HTML> ---

Definition at line 86 of file pagestructure.cc.

4.9.3.13 void PageStructureMaker::HTMLStart ( )

Display <HTML>

--- Class: PageStructureMaker Method: PageStructureMaker :: H-
TMLStart() Description: Display <HTML> Tag ---

Definition at line 73 of file pagestructure.cc.

4.9.3.14 void PageStructureMaker::InputField (string *type,* string *name,* string *value*)

Input field with 3 arguments

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.9.3.15 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*)

Input Field with 4 arguments

--- Class: PageStructureMaker Method: PageStructureMaker :-
: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button,
etc. ---

Definition at line 368 of file pagestructure.cc.

4.9.3.16 void PageStructureMaker::Javascript (string *src*)

Add Javascript File

--- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file ---

Definition at line 153 of file pagestructure.cc.

4.9.3.17 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*)

Label tag

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.9.3.18   void PageStructureMaker::ListEnd (string *listType*)

End List

───

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.9.3.19   void PageStructureMaker::ListItem (string *listItem*)

List Item

───

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.9.3.20   void PageStructureMaker::ListStart (string *listType*)

Start List

───

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.9.3.21   void PageStructureMaker::SelectFieldEnd (   )

End Select Field

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldEnd() Description: Close select field ---

Definition at line 408 of file pagestructure.cc.

4.9.3.22   void PageStructureMaker::SelectFieldStart (string *name*)

Select Field Start

───

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field --
----

Definition at line 395 of file pagestructure.cc.

4.9.3.23 void PageStructureMaker::SelectOptionEnd ( )

Selct Option End

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option --

Definition at line 438 of file pagestructure.cc.

4.9.3.24 void PageStructureMaker::SelectOptionStart (string *value,* string *selected*)

Select Option Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select --
----

Definition at line 422 of file pagestructure.cc.

4.9.3.25 void PageStructureMaker::SetHTMLVariables ( )

Assingn Values to variables

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---------------------
----

Definition at line 48 of file pagestructure.cc.

4.9.3.26 void PageStructureMaker::TableEnd ( )

End Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableEnd() Description: Close Table tag --

Definition at line 266 of file pagestructure.cc.

4.9.3.27 void PageStructureMaker::TableStart (string *id,* string *className*)

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-
: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ----------
----

Definition at line 252 of file pagestructure.cc.

4.9.3.28 void PageStructureMaker::Title (string *pageTitle*)

Display $<$TITLE$>$ $<$/TITLE$>$

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Title(string pageTitle) Description: Display Page Tile --

Definition at line 125 of file pagestructure.cc.

4.9.4 Member Data Documentation

4.9.4.1 string PageStructureMaker::startH1 `[protected]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

The documentation for this class was generated from the following files:

- src/pagestructure.h
- src/pagestructure.cc

4.10 ProjectDetail Class Reference

```
#include <projectdetail.h>
```

Inheritance diagram for ProjectDetail:

```
┌─────────────────────┐
│  PageStructureMaker  │
└─────────────────────┘
          ▲
┌─────────────────────┐
│      PageLayout      │
└─────────────────────┘
          ▲
┌─────────────────────┐
│     InputDetail      │
└─────────────────────┘
          ▲
┌─────────────────────┐
│        Login         │
└─────────────────────┘
          ▲
┌─────────────────────┐
│    ProjectDetail     │
└─────────────────────┘
```
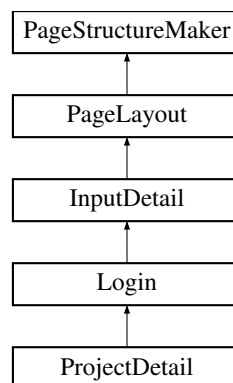
Public Member Functions

- ProjectDetail ()
- void ProjectDetailPage ()
- void AuthorizeUser ()
- ∼ProjectDetail ()
- void LoginPage (string msg="", string emailID="xz@abc.com", string password="123456")
- void ReadLoginDetail ()
- void RegisterPage (string msg="", string emailID="xz@abc.com", string password="123456")
- void AddNewUser ()
- void SelectLoginDetail ()
- void AlreadyLoggedIn ()
- void LogoutPage ()
- void Header (string titleName)
- void Header ()
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)

    Convert String to Integer.
- void Menu ()

- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- vector< string > emailID
- vector< string > password
- string userEmailID
- string userPassword
- string retypePassword
- string msg
- string currentDate
- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string projectName
- ifstream **inFile**

- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.10.1 Detailed Description

-- Include login.h header files ———————————————— ——————————— === Class: ProjectDetail Description: For getting project name and giving unique project ID. ===

Definition at line 35 of file projectdetail.h.

4.10.2 Constructor & Destructor Documentation

4.10.2.1 ProjectDetail::ProjectDetail ( )

ProjectDetail Consructor

————————————————————————————-

Include projectdetail.h for definition of class ProjectDetail

——————————————————————— ——————————————————————

Class: ProjectDetail

Method: ProjectDetail :: ProjectDetail()

Description: Constructor of ProjectDetail

Definition at line 37 of file projectdetail.cc.

4.10.2.2 ProjectDetail::∼ProjectDetail ( )

Destructor

———————————————————————————

Class: ProjectDetail

Method: ProjectDetail :: ∼ProjectDetail()

Description: Destuctor

Definition at line 147 of file projectdetail.cc.

4.10.3 Member Function Documentation

4.10.3.1 void Login::AddNewUser ( ) `[inherited]`

Add new user in database

───

Class: Login

Method: Login :: AddNewUser()

Description: Adding new user into database and if user already exists then move back to register page for unique email id

----

Definition at line 186 of file login.cc.

4.10.3.2 void Login::AlreadyLoggedIn ( ) `[inherited]`

Check user If already logged in

───

Class: Login

Method: Login :: AlreadyLoggedIn()

Description: Check if user already logged in not allow to log in

----

Definition at line 238 of file login.cc.

4.10.3.3 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

───

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.10.3.4 void ProjectDetail::AuthorizeUser ( )

Checking user login details valid or not

───

Class: ProjectDetail

Method: ProjectDetail :: AuthorizeUser()

Description: Checking user login details valid or invalid

--- Matching user details with values in database

< If Email ID valid

< If Password Correct

< If Password Incorrect

$<$ If Email ID invalid

Definition at line 50 of file projectdetail.cc.

4.10.3.5 void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display $</$BODY$>$

-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyEnd() Description: Display $</$BODY$>$ --

Definition at line 180 of file pagestructure.cc.

4.10.3.6 void PageStructureMaker::BodyStart ( ) `[inherited]`

Display $<$BODY$>$

-- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyStart() Description: Display $<$BODY$>$ --

Definition at line 166 of file pagestructure.cc.

4.10.3.7 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.10.3.8 void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

──

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.10.3.9 void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-
SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.10.3.10 void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section --

Definition at line 209 of file pagestructure.cc.

4.10.3.11   void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) ------------
----

Definition at line 195 of file pagestructure.cc.

4.10.3.12   void InputDetail::Footer ( ) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Footer() Description:
Common for all pages(end body, html) --

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.10.3.13   void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.10.3.14   void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.10.3.15   void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. --
----

Definition at line 106 of file pagelayout.cc.

4.10.3.16   void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.10.3.17 void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout   Method: PageLayout :: Header() Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.10.3.18 void InputDetail::Header (string *titleName*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Header(string title-Name) Description: common header for all pages(start html, head, body) --

Definition at line 50 of file inputdetail.cc.

4.10.3.19 void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.10.3.20 void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLEnd() Description: Display </HTML> --

Definition at line 86 of file pagestructure.cc.

4.10.3.21 void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLStart() Description: Display <HTML> Tag --

Definition at line 73 of file pagestructure.cc.

4.10.3.22 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

———————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.10.3.23 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

-- Class: PageStructureMaker Method: PageStructureMaker :-
: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button,
etc. --

Definition at line 368 of file pagestructure.cc.

4.10.3.24 string InputDetail::IntToString (int *value*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: IntToString(int value)
Description: Convert Int to String using stringstream object --

Definition at line 82 of file inputdetail.cc.

4.10.3.25 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file --

Definition at line 153 of file pagestructure.cc.

4.10.3.26 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*) `[inherited]`

Label tag

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.10.3.27 void PageStructureMaker::ListEnd (string *listType*) `[inherited]`

End List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.10.3.28 void PageStructureMaker::ListItem (string *listItem*) `[inherited]`

List Item

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.10.3.29   void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

———————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.10.3.30   void Login::LoginPage (string *msg* = `" "`, string *emailID* = `"xz@abc.com"`, string *password* = `"123456"`) `[inherited]`

Creating login page

———————————————————————

Class: Login

Method: Login :: LoginPage()

Description: Form for user login

Definition at line 88 of file login.cc.

4.10.3.31   void PageLayout::Logo (string *logoName*) `[inherited]`

Logo on Page

-- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project ---

Definition at line 74 of file pagelayout.cc.

4.10.3.32   void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

———————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.10.3.33 void Login::LogoutPage ( ) `[inherited]`

Logout Page

————————————————————————————

Class: Login

Method: Login :: LogoutPage()

Description: Logout Page

Definition at line 224 of file login.cc.

4.10.3.34 void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

-- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) --

Definition at line 51 of file pagelayout.cc.

4.10.3.35 void ProjectDetail::ProjectDetailPage ( )

Display Page for project details

————————————————————————————

Class: ProjectDetail

Method: ProjectDetail :: ProjectDetailPage()

Description: Diplaying page for project details

Definition at line 109 of file projectdetail.cc.

4.10.3.36 void Login::ReadLoginDetail ( ) `[inherited]`

Read Login Detail

————————————————————————————

Class: Login

Method: Login :: ReadLoginDetail()

Description: Reading login detail from text fileds given by user

----

Definition at line 74 of file login.cc.

4.10.3.37 void Login::RegisterPage (string *msg* = " ", string *emailID* = "`xz@abc.com`**", string *password* = "**`123456`**")** `[inherited]`

Register user page

————————————————————————————

Class: Login

Method: Login :: RegisterPage()

Description: Register new user

Definition at line 136 of file login.cc.

4.10.3.38   void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldEnd() Description: Close select field ---

Definition at line 408 of file pagestructure.cc.

4.10.3.39   void PageStructureMaker::SelectFieldStart (string *name*) `[inherited]`

Select Field Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field ---
----

Definition at line 395 of file pagestructure.cc.

4.10.3.40   void Login::SelectLoginDetail ( ) `[inherited]`

For selecting emial and password fron user table

————————————————————————————

Class: Login

Method: Login :: SelectLoginDetail()

Description: For reading email id's and passwords from User table

----

Definition at line 46 of file login.cc.

4.10.3.41   void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option ---

Definition at line 438 of file pagestructure.cc.

4.10.3.42   void PageStructureMaker::SelectOptionStart (string *value,* string *selected*) `[inherited]`

Select Option Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select ---
----

Definition at line 422 of file pagestructure.cc.

4.10.3.43   void PageLayout::SetCookies (string *userEmailID,* string *sessionID*) `[inherited]`

For Cookies after login

───

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.10.3.44   void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ----------------------
----

Definition at line 48 of file pagestructure.cc.

4.10.3.45   int InputDetail::StringToInt (string *value*) `[inherited]`

Convert String to Integer.

--- Class: ReadInputField Method: ReadInputField :: StringTo-
Int(string value) Description: Converts string value to integer ---

Definition at line 97 of file inputdetail.cc.

4.10.3.46   void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table

--- Class: PageStructureMaker Method: PageStructureMaker :-
: TableEnd() Description: Close Table tag ---

Definition at line 266 of file pagestructure.cc.

4.10.3.47   void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

--- Class: PageStructureMaker Method: PageStructureMaker :-
: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes ---------
----

Definition at line 252 of file pagestructure.cc.

4.10.3.48   void PageStructureMaker::Title (string *pageTitle*) `[inherited]`

Display <TITLE> </TITLE>

--- Class: PageStructureMaker Method: PageStructureMaker :-
: Title(string pageTitle) Description: Display Page Tile ---

Definition at line 125 of file pagestructure.cc.

4.10.4 Member Data Documentation

4.10.4.1 string Login::currentDate `[protected],[inherited]`

Currennt Date

Definition at line 46 of file login.h.

4.10.4.2 vector<string> Login::emailID `[protected],[inherited]`

For storting email and password of users Email ID as vector

Definition at line 39 of file login.h.

4.10.4.3 InputFieldName InputDetail::fieldName `[protected],[inherited]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.10.4.4 string Login::msg `[protected],[inherited]`

Msg string to show error message

Definition at line 46 of file login.h.

4.10.4.5 vector<string> Login::password `[protected],[inherited]`

password as vector variable

Definition at line 39 of file login.h.

4.10.4.6 string InputDetail::projectID `[protected],[inherited]`

Project ID

Definition at line 55 of file inputdetail.h.

4.10.4.7 string InputDetail::projectName `[protected],[inherited]`

Project Name

Definition at line 55 of file inputdetail.h.

4.10.4.8 string Login::retypePassword `[protected],[inherited]`

For reading password

Definition at line 42 of file login.h.

4.10.4.9 string PageLayout::sessionID `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.10.4.10 string PageStructureMaker::startH1 `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

4.10.4.11 string Login::userEmailID `[protected],[inherited]`

For reading emailID in text field

Definition at line 42 of file login.h.

4.10.4.12 string Login::userPassword `[protected],[inherited]`

For reading password in text field

Definition at line 42 of file login.h.

The documentation for this class was generated from the following files:

- src/projectdetail.h
- src/projectdetail.cc

4.11 ReadInputField Class Reference

```
#include <readinputfield.h>
```

Public Member Functions

- ReadInputField ()
- string ReadFieldValue (string fieldName)
- string ReadFieldValue (string fieldName, int fieldNo)

Protected Attributes

- string **fieldValue**
- Cgicc formData
- form_iterator fi

4.11.1 Detailed Description

-- Include required header files ——————————————————
————————————— === Class:
ReadInputField Description: For reading values of fields like textbox, select, etc. ======================================

Definition at line 36 of file readinputfield.h.

4.11.2 Constructor & Destructor Documentation

4.11.2.1 ReadInputField::ReadInputField ( ) `[inline]`

Constructor

Definition at line 51 of file readinputfield.h.

4.11.3 Member Function Documentation

4.11.3.1 string ReadInputField::ReadFieldValue (string *fieldName*)

Read Field's Value with one argument fieldName

--- Include Header file of ReadInputField class declaration ——— ————————————————————————————— --- Definition of member functions of ReadInputField Class ——————————————————————————————— --- Class: ReadInputField Method: ReadInputField :: ReadFieldValue(string fieldName) Description: Read field's value and return it as string ---

Definition at line 37 of file readinputfield.cc.

4.11.3.2 string ReadInputField::ReadFieldValue (string *fieldName,* int *fieldNo*)

Read Field's value with two arguments fieldName and field no.)

--- Class: ReadInputField Method: ReadInputField :: ReadFieldValue(string fieldName, int fieldNo) Description: Read field's value and return it as string --

Definition at line 60 of file readinputfield.cc.

4.11.4 Member Data Documentation

4.11.4.1 form_iterator ReadInputField::fi `[protected]`

Form Iterator

Definition at line 44 of file readinputfield.h.

4.11.4.2 Cgicc ReadInputField::formData `[protected]`

Read Form Data

Definition at line 43 of file readinputfield.h.

The documentation for this class was generated from the following files:

- src/readinputfield.h

- src/readinputfield.cc

4.12 RollNoDetail Class Reference

```
#include <rollnodetail.h>
```

Inheritance diagram for RollNoDetail:

```
                    ┌─────────────────────┐
                    │ PageStructureMaker  │
                    └─────────────────────┘
                               ▲
                    ┌─────────────────────┐
                    │     PageLayout      │
                    └─────────────────────┘
                               ▲
                    ┌─────────────────────┐
                    │     InputDetail     │
                    └─────────────────────┘
                               ▲
                    ┌─────────────────────┐
                    │    RollNoDetail     │
                    └─────────────────────┘
```
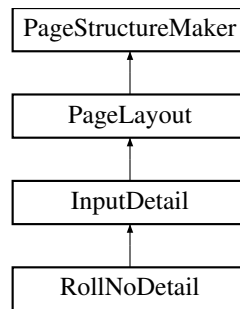
Public Member Functions

- RollNoDetail ()

    Constructor.
- void ReadClassDetail ()

    Reading class details from previous page using cgicc.
- void **WriteClassDetail** ()
- void SplitSubject ()
- void RollNoDetailPage ()
- void Header (string titleName)
- void Header ()
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)

    Convert String to Integer.
- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)

- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- string prefix [MIN_SIZE]

    for storing values of roll detail
- string **startRollNo** [MIN_SIZE]
- string **endRollNo** [MIN_SIZE]
- string **notIncluded** [MIN_SIZE]
- string **tableHeading** [MIN_SIZE]
- int **totalClasses**
- int **totalBranches**
- int **totalSubjects** [MIN_SIZE]
- string **className** [MIN_SIZE]
- string **subjectName** [MIN_SIZE][MIN_SIZE]
- string **subjectCode** [MIN_SIZE][MIN_SIZE]
- string **subCode** [MIN_SIZE]
- string **subName** [MIN_SIZE]
- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string emailID
- string projectName
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.12.1 Detailed Description

-- Include required header files ——————————————— ——————————— === Class: [RollNoDetail](#) Description: [RollNoDetail](#) class for ==

Definition at line 33 of file rollnodetail.h.

4.12.2 Constructor & Destructor Documentation

4.12.2.1 RollNoDetail::RollNoDetail ( )

Constructor.

--- Include rollnodetails.h for [RollNoDetail](#) class declaration —— ——————————————————————————————————— -- Definition of functions [RollNoDetail](#) Class ——————————————————————————————————— --- ---------------- Class: [RollNoDetail](#) Method: [RollNoDetail](#) :: [RollNoDetail()](#) Description: Constructor ---------------------- --

Definition at line 37 of file rollnodetail.cc.

4.12.3 Member Function Documentation

4.12.3.1 void PageStructureMaker::Anchor (string *href,* string *target*) `[inherited]`

Anchor Tag

————————————————————————————————

Class: [PageStructureMaker](#)

Method: [PageStructureMaker](#) :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.12.3.2 void PageStructureMaker::BodyEnd ( ) `[inherited]`

Display </BODY>

-- Class: [PageStructureMaker](#) Method: [PageStructureMaker](#) :- : [BodyEnd()](#) Description: Display </BODY> --

Definition at line 180 of file pagestructure.cc.

4.12.3.3 void PageStructureMaker::BodyStart ( ) `[inherited]`

Display <BODY>

-- Class: [PageStructureMaker](#) Method: [PageStructureMaker](#) :- : [BodyStart()](#) Description: Display <BODY> --

Definition at line 166 of file pagestructure.cc.

4.12.3.4 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.12.3.5   void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

————————————————————————

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.12.3.6   void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-
SS(string href) Description: Add External CSS file --

Definition at line 138 of file pagestructure.cc.

4.12.3.7   void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section --

Definition at line 209 of file pagestructure.cc.

4.12.3.8   void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) ------------
----

Definition at line 195 of file pagestructure.cc.

4.12.3.9   void InputDetail::Footer ( ) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Footer() Description:
Common for all pages(end body, html) --

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.12.3.10   void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form --

Definition at line 238 of file pagestructure.cc.

4.12.3.11 void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.12.3.12 void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. --
----

Definition at line 106 of file pagelayout.cc.

4.12.3.13 void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.12.3.14 void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout Method: PageLayout :: Header()
Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.12.3.15 void InputDetail::Header (string *titleName*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Header(string title-
Name) Description: common header for all pages(start html, head, body) --
----

Definition at line 50 of file inputdetail.cc.

4.12.3.16 void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadStart() Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.12.3.17 void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLEnd() Description: Display </HTML> ---

Definition at line 86 of file pagestructure.cc.

4.12.3.18 void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: PageStructureMaker Method: PageStructureMaker :: H-TMLStart() Description: Display <HTML> Tag ---

Definition at line 73 of file pagestructure.cc.

4.12.3.19 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

————————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.12.3.20 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

-- Class: PageStructureMaker Method: PageStructureMaker :-: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button, etc. ---

Definition at line 368 of file pagestructure.cc.

4.12.3.21 string InputDetail::IntToString (int *value*) `[inherited]`

-- Class: InputDetail Method: InputDetail :: IntToString(int value) Description: Convert Int to String using stringstream object ---

Definition at line 82 of file inputdetail.cc.

4.12.3.22 void PageStructureMaker::Javascript (string *src*) `[inherited]`

Add Javascript File

-- Class: PageStructureMaker Method: PageStructureMaker :-: Javascript(string src) Description: Add external Javascript file ---

Definition at line 153 of file pagestructure.cc.

4.12.3.23 void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*) `[inherited]`

Label tag

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.12.3.24 void PageStructureMaker::ListEnd (string *listType*) `[inherited]`

End List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.12.3.25 void PageStructureMaker::ListItem (string *listItem*) `[inherited]`

List Item

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.12.3.26 void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.12.3.27 void PageLayout::Logo (string *logoName*) `[inherited]`

Logo on Page

-- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project --

Definition at line 74 of file pagelayout.cc.

4.12.3.28 void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

————————————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.12.3.29 void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

-- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) --

Definition at line 51 of file pagelayout.cc.

4.12.3.30 void RollNoDetail::ReadClassDetail ( )

Reading class details from previous page using cgicc.

-- Class: RollNoDetail Method: RollNoDetail :: ReadClass-Details() Description: For reading class details from previous page --

Definition at line 55 of file rollnodetail.cc.

4.12.3.31 void RollNoDetail::RollNoDetailPage ( )

RollNoDetailPage for getting rollnos

————————————————————————————————

Class: RollNoDetail

Method: RollNoDetail :: RollNoDetailPage()

Description:

Definition at line 154 of file rollnodetail.cc.

4.12.3.32 void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

-- Class: PageStructureMaker Method: PageStructureMaker :-: SelectFieldEnd() Description: Close select field --

Definition at line 408 of file pagestructure.cc.

4.12.3.33   void PageStructureMaker::SelectFieldStart (string *name*) `[inherited]`

Select Field Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field ---
----

Definition at line 395 of file pagestructure.cc.

4.12.3.34   void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option ---

Definition at line 438 of file pagestructure.cc.

4.12.3.35   void PageStructureMaker::SelectOptionStart (string *value,* string *selected*) `[inherited]`

Select Option Start

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select --
----

Definition at line 422 of file pagestructure.cc.

4.12.3.36   void PageLayout::SetCookies (string *userEmailID,* string *sessionID*) `[inherited]`

For Cookies after login

————————————————————————————

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.12.3.37   void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

--- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---------------------
----

Definition at line 48 of file pagestructure.cc.

4.12.3.38   void RollNoDetail::SplitSubject ( )

spliting subject name and subject codes

————————————————————————————

Class: RollNoDetail

Method: RollNoDetail :: SplitSubject()

Description: Split subjects

Definition at line 110 of file rollnodetail.cc.

4.12.3.39   int InputDetail::StringToInt (string *value*)   `[inherited]`

Convert String to Integer.

-- Class: ReadInputField Method: ReadInputField :: StringTo-Int(string value) Description: Converts string value to integer --

Definition at line 97 of file inputdetail.cc.

4.12.3.40   void PageStructureMaker::TableEnd ( )   `[inherited]`

End Table

-- Class: PageStructureMaker Method: PageStructureMaker :-: TableEnd() Description: Close Table tag --

Definition at line 266 of file pagestructure.cc.

4.12.3.41   void PageStructureMaker::TableStart (string *id,* string *className*)   `[inherited]`

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes --

Definition at line 252 of file pagestructure.cc.

4.12.3.42   void PageStructureMaker::Title (string *pageTitle*)   `[inherited]`

Display <TITLE> </TITLE>

-- Class: PageStructureMaker Method: PageStructureMaker :-: Title(string pageTitle) Description: Display Page Tile --

Definition at line 125 of file pagestructure.cc.

4.12.4   Member Data Documentation

4.12.4.1   string InputDetail::emailID   `[protected],[inherited]`

Email id

Definition at line 55 of file inputdetail.h.

4.12.4.2   InputFieldName InputDetail::fieldName   `[protected],[inherited]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.12.4.3 **string RollNoDetail::prefix[MIN_SIZE]** `[protected]`

for storing values of roll detail

Definition at line 37 of file rollnodetail.h.

4.12.4.4 **string InputDetail::projectID** `[protected],[inherited]`

Project ID

Definition at line 55 of file inputdetail.h.

4.12.4.5 **string InputDetail::projectName** `[protected],[inherited]`

Project Name

Definition at line 55 of file inputdetail.h.

4.12.4.6 **string PageLayout::sessionID** `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.12.4.7 **string PageStructureMaker::startH1** `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

The documentation for this class was generated from the following files:

- src/rollnodetail.h
- src/rollnodetail.cc

4.13 RoomDetail Class Reference

`#include <roomdetail.h>`

Inheritance diagram for RoomDetail:
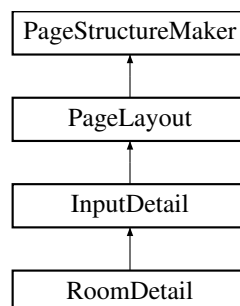
Public Member Functions

- RoomDetail ()

- void ReadRollNoDetail ()
- void ReadTotalCentre ()
- void ReadCentreDetail ()
- void ReadRoomDetail ()
- void TotalCentrePage ()
- void CentreDetailPage ()
- void RoomDetailPage ()
- ∼RoomDetail ()
- void Header (string titleName)
- void Header ()
- void Footer ()
- string IntToString (int value)
- int StringToInt (string value)

    Convert String to Integer.

- void Menu ()
- void Logo (string logoName)
- void Head (string titleName)
- void SetCookies (string emailID, string sessionID)
- void ContextType ()
- void LogoutLink ()
- void SetHTMLVariables ()
- void HTMLStart ()
- void HTMLEnd ()
- void HeadStart ()
- void HeadEnd ()
- void Title (string pageTitle)
- void CSS (string href)
- void Javascript (string src)
- void BodyStart ()
- void BodyEnd ()
- void DivStart (string id, string className)
- void DivEnd ()
- void FormStart (string name, string action, string method)
- void FormEnd ()
- void TableStart (string id, string className)
- void TableEnd ()
- void ListStart (string listType)
- void ListEnd (string listType)
- void ListItem (string listItem)
- void Anchor (string href, string target)
- void InputField (string type, string name, string value)
- void InputField (string type, string name, int nameNo, string value)
- void Label (string forField, string fieldName, string value)
- void SelectFieldStart (string name)
- void SelectFieldEnd ()
- void SelectOptionStart (string value, string selected)
- void SelectOptionEnd ()
- void Button (string id, string type, string className, string value)

Protected Attributes

- int totalRollNo
- string **className** [MIN_SIZE]
- string **subjectCode** [MIN_SIZE]
- string **prefix** [MIN_SIZE]
- string **startRollNo** [MIN_SIZE]
- string **endRollNo** [MIN_SIZE]
- string **notIncluded** [MIN_SIZE]
- int **totalCentre**
- int **totalRoom** [MIN_SIZE]
- int **maxCentres**
- string **rows** [MIN_SIZE]
- string **columns** [MIN_SIZE]
- string **centreName** [MIN_SIZE]
- InputFieldName fieldName
- ReadInputField **readField**
- Database **database**
- int **i**
- int **j**
- int **k**
- stringstream **ss**
- string **temp**
- string projectID
- string emailID
- string projectName
- ifstream **inFile**
- ofstream **outFile**
- string sessionID
- string startH1
- string **endH1**
- string **startH3**
- string **endH3**
- string **startTD**
- string **endTD**
- string **startTH**
- string **endTH**
- string **startTR**
- string **endTR**
- string **startB**
- string **endB**
- string **brk**

4.13.1 Detailed Description

————————————————————————————————

Include inputdetail.h file

————————————————————————————————————— ==

Class: RoomDetail

Description: For creating roondetail pages and reading rollnodetail and store then into database

==

Definition at line 35 of file roomdetail.h.

4.13.2 Constructor & Destructor Documentation

4.13.2.1 RoomDetail::RoomDetail ( )

RoomDetail Constructor

————————————————————————-

include roomdetail.h

———————————————————————— ————————————————————————

Class: RoomDetail

Method: RoomDetail :: RoomDetail()

Description: Constructor

Definition at line 34 of file roomdetail.cc.

4.13.2.2 RoomDetail::∼RoomDetail ( )

RoomDetail Destructor

Definition at line 357 of file roomdetail.cc.

4.13.3 Member Function Documentation

4.13.3.1 void PageStructureMaker::Anchor (string *href,* string *target*) [inherited]

Anchor Tag

————————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Anchor(string href)

Description: Anchor Tag

Definition at line 318 of file pagestructure.cc.

4.13.3.2 void PageStructureMaker::BodyEnd ( ) [inherited]

Display </BODY>

--- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyEnd() Description: Display </BODY> ---

Definition at line 180 of file pagestructure.cc.

4.13.3.3 void PageStructureMaker::BodyStart ( ) [inherited]

Display <BODY>

--- Class: PageStructureMaker Method: PageStructureMaker :-
: BodyStart() Description: Display <BODY> ---

Definition at line 166 of file pagestructure.cc.

4.13.3.4 void PageStructureMaker::Button (string *id,* string *type,* string *className,* string *value*) `[inherited]`

Button

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Button(string id, string type, string className, string value) Description: Create button(next, submit, etc) ------
----

Definition at line 452 of file pagestructure.cc.

4.13.3.5 void RoomDetail::CentreDetailPage ( )

Centre Detail detail

──

Class: RoomDetail

Method: RoomDetail :: CentreDetailPage()

Description: Page for getting total

Definition at line 209 of file roomdetail.cc.

4.13.3.6 void PageLayout::ContextType ( ) `[inherited]`

Context-Type header

──

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

4.13.3.7 void PageStructureMaker::CSS (string *href*) `[inherited]`

Add External CSS

-- Class: PageStructureMaker Method: PageStructureMaker :: C-
SS(string href) Description: Add External CSS file ---
Definition at line 138 of file pagestructure.cc.

4.13.3.8 void PageStructureMaker::DivEnd ( ) `[inherited]`

End div section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivEnd() Description: Close Div Section ---
Definition at line 209 of file pagestructure.cc.

4.13.3.9 void PageStructureMaker::DivStart (string *id,* string *className*) `[inherited]`

Start Div Section

-- Class: PageStructureMaker Method: PageStructureMaker :-
: DivStart(string id, string className) Description: Start Div Section with id and className(for CSS) ------------
----

Definition at line 195 of file pagestructure.cc.

4.13.3.10   void InputDetail::Footer ( ) `[inherited]`

-- Class: InputDetail Method: InputDetail :: Footer() Description:
Common for all pages(end body, html) --

Reimplemented from PageLayout.

Definition at line 68 of file inputdetail.cc.

4.13.3.11   void PageStructureMaker::FormEnd ( ) `[inherited]`

End Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormEnd() Description: Close Form ---

Definition at line 238 of file pagestructure.cc.

4.13.3.12   void PageStructureMaker::FormStart (string *name,* string *action,* string *method*) `[inherited]`

Start Form

-- Class: PageStructureMaker Method: PageStructureMaker :-
: FormStart(string name, string action, string method) Description: Start Form with name, action and method(GE-
T/POST) --

Definition at line 223 of file pagestructure.cc.

4.13.3.13   void PageLayout::Head (string *titleName*) `[inherited]`

Head Section of Page

-- Class: PageLayout Method: PageLayout :: Head(string title-
Name) Description: Head Section of page, titlaName pass to Title function. ---
----

Definition at line 106 of file pagelayout.cc.

4.13.3.14   void PageStructureMaker::HeadEnd ( ) `[inherited]`

Display </HEAD>

-- Class: PageStructureMaker Method: PageStructureMaker :-
: HeadEnd() Description: Display </HEAD> --

Definition at line 112 of file pagestructure.cc.

4.13.3.15   void PageLayout::Header ( ) `[inherited]`

Header Section of Page

-- Class: PageLayout Method: PageLayout :: Header()
Description: Call Menu Function --

Definition at line 89 of file pagelayout.cc.

4.13.3.16 void InputDetail::Header (string *titleName*) `[inherited]`

-- Class: [InputDetail] Method: [InputDetail] :: [Header(string title-Name)] Description: common header for all pages(start html, head, body) --- --------------

Definition at line 50 of file inputdetail.cc.

4.13.3.17 void PageStructureMaker::HeadStart ( ) `[inherited]`

Display <HEAD>

-- Class: [PageStructureMaker] Method: [PageStructureMaker] :-: [HeadStart()] Description: Display <HEAD> --

Definition at line 99 of file pagestructure.cc.

4.13.3.18 void PageStructureMaker::HTMLEnd ( ) `[inherited]`

Display </HTML>

-- Class: [PageStructureMaker] Method: [PageStructureMaker] :: [H-TMLEnd()] Description: Display </HTML> --

Definition at line 86 of file pagestructure.cc.

4.13.3.19 void PageStructureMaker::HTMLStart ( ) `[inherited]`

Display <HTML>

-- Class: [PageStructureMaker] Method: [PageStructureMaker] :: [H-TMLStart()] Description: Display <HTML> Tag --

Definition at line 73 of file pagestructure.cc.

4.13.3.20 void PageStructureMaker::InputField (string *type,* string *name,* string *value*) `[inherited]`

Input field with 3 arguments

——————————————————————————————

Class: [PageStructureMaker]

Method: [PageStructureMaker] :: InputField(string type, string name, string value)

Description: For creating input field with 3 arguments

Definition at line 348 of file pagestructure.cc.

4.13.3.21 void PageStructureMaker::InputField (string *type,* string *name,* int *nameNo,* string *value*) `[inherited]`

Input Field with 4 arguments

-- Class: [PageStructureMaker] Method: [PageStructureMaker] :-: InputField(string type, string name, string value) Description: Create Input fields like text field, submit button, etc. --

Definition at line 368 of file pagestructure.cc.

4.13.3.22 **string InputDetail::IntToString (int *value*)** `[inherited]`

-- Class: InputDetail Method: InputDetail :: IntToString(int value)
Description: Convert Int to String using stringstream object --

Definition at line 82 of file inputdetail.cc.

4.13.3.23 **void PageStructureMaker::Javascript (string *src*)** `[inherited]`

Add Javascript File

-- Class: PageStructureMaker Method: PageStructureMaker :-
: Javascript(string src) Description: Add external Javascript file --

Definition at line 153 of file pagestructure.cc.

4.13.3.24 **void PageStructureMaker::Label (string *forValue,* string *fieldName,* string *value*)** `[inherited]`

Label tag

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: Label(string forValue, string value)

Description: For adding label in html page

Definition at line 332 of file pagestructure.cc.

4.13.3.25 **void PageStructureMaker::ListEnd (string *listType*)** `[inherited]`

End List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListEnd(string listType)

Description: Close List Tag

Definition at line 292 of file pagestructure.cc.

4.13.3.26 **void PageStructureMaker::ListItem (string *listItem*)** `[inherited]`

List Item

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListItem(string listItem)

Description: List Item

Definition at line 305 of file pagestructure.cc.

4.13.3.27   void PageStructureMaker::ListStart (string *listType*) `[inherited]`

Start List

————————————————————————

Class: PageStructureMaker

Method: PageStructureMaker :: ListStart(string listType)

Description: Start any list like ul, ol, etc.

Definition at line 279 of file pagestructure.cc.

4.13.3.28   void PageLayout::Logo (string *logoName*) `[inherited]`

Logo on Page

--- Class: PageLayout Method: PageLayout :: Logo(string logo-Name) Description: Logo to project ---

Definition at line 74 of file pagelayout.cc.

4.13.3.29   void PageLayout::LogoutLink ( ) `[inherited]`

Logout link

————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

4.13.3.30   void PageLayout::Menu ( ) `[inherited]`

List/Menu Navigation()

--- Class: PageLayout Method: PageLayout :: Menu() Description: Add Menu on pages(for navigation) ---

Definition at line 51 of file pagelayout.cc.

4.13.3.31   void RoomDetail::ReadCentreDetail ( )

Reading centre details

————————————————————————

Class: RoomDetail

Method: RoomDetail :: ReadCentreDetail()

Description: Read total rooms in each cetre

Definition at line 111 of file roomdetail.cc.

4.13.3.32 void RoomDetail::ReadRollNoDetail ( )

Reading RollNo detail

————————————————————————

Class: RoomDetail

Method: RoomDetail :: ReadRollNoDetail()

Description: Read roll no details given by user

Definition at line 48 of file roomdetail.cc.

4.13.3.33 void RoomDetail::ReadRoomDetail ( )

Read room detail

————————————————————————

Class: RoomDetail

Method: RoomDetail :: ReadRoomDetail()

Description: Read room details like rows, columns of room

Definition at line 138 of file roomdetail.cc.

4.13.3.34 void RoomDetail::ReadTotalCentre ( )

Reading total centres

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Class: RoomDetail

Method: RoomDetail :: ReadTotalCentre()

Description: Read total centres for examination

Definition at line 94 of file roomdetail.cc.

4.13.3.35 void RoomDetail::RoomDetailPage ( )

Room detail

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Class: RoomDetail

Method: RoomDetail :: RoomDetailPage()

Description: Page for taking i/p from user about room details

----

Definition at line 286 of file roomdetail.cc.

4.13.3.36 void PageStructureMaker::SelectFieldEnd ( ) `[inherited]`

End Select Field

————————————————————————

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldEnd() Description: Close select field --

Definition at line 408 of file pagestructure.cc.

4.13.3.37 void PageStructureMaker::SelectFieldStart (string *name*) `[inherited]`

Select Field Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectFieldStart(string name) Description: Create Select Field ---
----

Definition at line 395 of file pagestructure.cc.

4.13.3.38 void PageStructureMaker::SelectOptionEnd ( ) `[inherited]`

Selct Option End

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionEnd() Description: Close select option --

Definition at line 438 of file pagestructure.cc.

4.13.3.39 void PageStructureMaker::SelectOptionStart (string *value,* string *selected*) `[inherited]`

Select Option Start

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SelectOptionStart(string value, string selected) Description: Options for select --
----

Definition at line 422 of file pagestructure.cc.

4.13.3.40 void PageLayout::SetCookies (string *userEmailID,* string *sessionID*) `[inherited]`

For Cookies after login

───

Class: PageLayout

Method: PageLayout :: SetCookies(string sessionID)

Description: Setting session ID in cookies

Definition at line 148 of file pagelayout.cc.

4.13.3.41 void PageStructureMaker::SetHTMLVariables ( ) `[inherited]`

Assingn Values to variables

-- Class: PageStructureMaker Method: PageStructureMaker :-
: SetHTMLVariables() Description: Set values of common HTML tags in respective variables. ---------------------
----

Definition at line 48 of file pagestructure.cc.

4.13.3.42   int InputDetail::StringToInt (string *value*) `[inherited]`

Convert String to Integer.

-- Class: ReadInputField Method: ReadInputField :: StringTo-Int(string value) Description: Converts string value to integer --

Definition at line 97 of file inputdetail.cc.

4.13.3.43   void PageStructureMaker::TableEnd ( ) `[inherited]`

End Table

-- Class: PageStructureMaker Method: PageStructureMaker :-: TableEnd() Description: Close Table tag --

Definition at line 266 of file pagestructure.cc.

4.13.3.44   void PageStructureMaker::TableStart (string *id,* string *className*) `[inherited]`

Start Table

-- Class: PageStructureMaker Method: PageStructureMaker :-: TableStart(string id, string className) Description: Start Table with id and className(CSS) attributes --

Definition at line 252 of file pagestructure.cc.

4.13.3.45   void PageStructureMaker::Title (string *pageTitle*) `[inherited]`

Display $<$TITLE$>$ $</$TITLE$>$

-- Class: PageStructureMaker Method: PageStructureMaker :-: Title(string pageTitle) Description: Display Page Tile --

Definition at line 125 of file pagestructure.cc.

4.13.3.46   void RoomDetail::TotalCentrePage ( )

Total centre page

Class: RoomDetail

Method: RoomDetail :: TotalCentrePage()

Description: Page for taking i/p from user --

Definition at line 151 of file roomdetail.cc.

4.13.4   Member Data Documentation

4.13.4.1   string InputDetail::emailID `[protected],[inherited]`

Email id

Definition at line 55 of file inputdetail.h.

4.13.4.2   InputFieldName InputDetail::fieldName   `[protected],[inherited]`

Objects of [InputFieldName](#) and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

4.13.4.3   string InputDetail::projectID   `[protected],[inherited]`

Project ID

Definition at line 55 of file inputdetail.h.

4.13.4.4   string InputDetail::projectName   `[protected],[inherited]`

Project Name

Definition at line 55 of file inputdetail.h.

4.13.4.5   string PageLayout::sessionID   `[protected],[inherited]`

Session ID

Definition at line 40 of file pagelayout.h.

4.13.4.6   string PageStructureMaker::startH1   `[protected],[inherited]`

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

4.13.4.7   int RoomDetail::totalRollNo   `[protected]`

Total rollno fields

Definition at line 40 of file roomdetail.h.

The documentation for this class was generated from the following files:

- src/roomdetail.h
- src/roomdetail.cc

Chapter 5

File Documentation

5.1 src/centredetail-main.cpp File Reference

Centre Detail like centre name and total rooms.

```
#include "roomdetail.h"
```

Functions

- int main (void)

5.1.1 Detailed Description

Centre Detail like centre name and total rooms.

Version

0.6

Date

Sunday 17 March 2013 11:11:53 IST Compiler gcc

Author

Mandeep Kaur, meghasimak@gmail.com License GNU General Public License

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Definition in file centredetail-main.cpp.

5.1.2 Function Documentation

5.1.2.1 int main (void)

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Include roomdetail.h

———————————————————————— ————————————————————————————-

Main method

————————————————————————

Definition at line 26 of file centredetail-main.cpp.

5.2 src/roomdetail-main.cpp File Reference

main method for roomdetail.html page

```
#include "roomdetail.h"
```

Functions

- int main (void)

5.2.1 Detailed Description

main method for roomdetail.html page

Version

0.6

Date

Sunday 17 March 2013 12:37:00 IST Compiler gcc

Author

Mandeep Kaur, meghasimak@gmail.com License GNU General Public License

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Definition in file roomdetail-main.cpp.

5.2.2 Function Documentation

5.2.2.1 int main (void)

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Include roomdetail.h fiel

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Main method for calling RoomDetailPage() of RoomDetail Class

————————————————————————

Definition at line 25 of file roomdetail-main.cpp.

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