BaKaPlan

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Contents

Chapter 1

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

Class Documentation

3.1 ClassDetail Class Reference

`#include <classdetail.h>`

Inheritance diagram for ClassDetail:

```
PageStructureMaker
        ↑
    PageLayout
        ↑
    InputDetail
        ↑
    ClassDetail
```
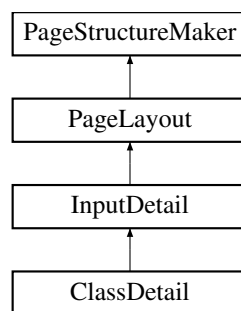
Public Member Functions

- 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, int nameNo, string value)
- void InputField (string type, string name, 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**

3.1.1 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.

3.1.2 Constructor & Destructor Documentation

3.1.2.1 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.

3.1.2.2 ClassDetail::∼ClassDetail ( )

Destructor

———————————————————————————————

Class: ClassDetail

Method: ClassDetail :: ∼ClassDetail()

Description: Destructor

Definition at line 278 of file classdetail.cc.

3.1.3 Member Function Documentation

3.1.3.1 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.

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

Display </BODY>

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

Definition at line 180 of file pagestructure.cc.

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

Display <BODY>

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

Definition at line 166 of file pagestructure.cc.

3.1.3.4 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 436 of file pagestructure.cc.

3.1.3.5 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.

3.1.3.6 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.

3.1.3.7 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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.1.3.9 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.

3.1.3.10 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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.1.3.12 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.

3.1.3.13 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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.1.3.15 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.

3.1.3.16 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.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.1.3.20 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 333 of file pagestructure.cc.

3.1.3.21 **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 361 of file pagestructure.cc.

3.1.3.22 **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.

3.1.3.23 **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.

3.1.3.24 **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.

3.1.3.25 **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.

3.1.3.26 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.

3.1.3.27 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.

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

Logout link

————————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

3.1.3.29 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.

3.1.3.30 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.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.1.3.34 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 406 of file pagestructure.cc.

3.1.3.35 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.

3.1.3.36 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.

3.1.3.37   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.

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

End Table

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

Definition at line 266 of file pagestructure.cc.

3.1.3.39   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.

3.1.3.40   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.

3.1.3.41   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.

3.1.3.42   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.

3.1.4 Member Data Documentation

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

Email id

Definition at line 55 of file inputdetail.h.

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

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

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

Project ID

Definition at line 55 of file inputdetail.h.

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

Project Name

Definition at line 55 of file inputdetail.h.

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

Session ID

Definition at line 40 of file pagelayout.h.

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

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

3.1.4.7 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

3.2 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 SelectProjectID (string &projectID)
- void InsertUser (string userEmailID, string userPassword)
- void InsertQuery (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 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**

3.2.1 Detailed Description

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

Definition at line 34 of file database.h.

3.2.2 Constructor & Destructor Documentation

3.2.2.1 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.

3.2.2.2   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 401 of file database.cc.

3.2.3   Member Function Documentation

3.2.3.1   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 258 of file database.cc.

3.2.3.2   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 355 of file database.cc.

3.2.3.3   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 217 of file database.cc.

3.2.3.4   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 136 of file database.cc.

3.2.3.5 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 153 of file database.cc.

3.2.3.6 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 303 of file database.cc.

3.2.3.7 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 198 of file database.cc.

3.2.3.8 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 382 of file database.cc.

3.2.3.9 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 282 of file database.cc.

3.2.3.10 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 237 of file database.cc.

3.2.3.11 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 331 of file database.cc.

3.2.3.12 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 176 of file database.cc.

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

Seclect Column

————————————————————————————————

Class: [Database](#)

Method: [Database](#) :: SelectColumn

Description: Select column from table

Definition at line 112 of file database.cc.

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

select project id from ProjectName table

Definition at line 95 of file database.cc.

3.2.3.15   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.

3.2.3.16   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.

3.2.4   Member Data Documentation

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

MySQL connectivity Variables

Definition at line 38 of file database.h.

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

unsigned int variable

Definition at line 43 of file database.h.

3.2.4.3   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

3.3   InputDetail Class Reference

`#include <inputdetail.h>`

Inheritance diagram for InputDetail:

```
              PageStructureMaker
                     ↑
                 PageLayout
                     ↑
                 InputDetail
                     ↑
      ┌──────────────┼──────────────┐
  ClassDetail       Login        RollNoDetail
                     ↑
                ProjectDetail
```
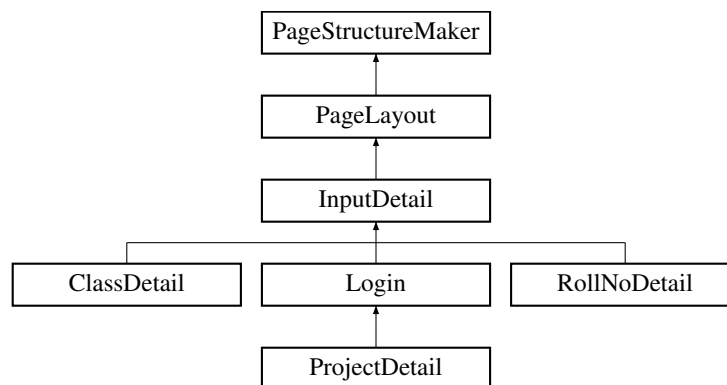
Public Member Functions

- 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, int nameNo, string value)
- void [InputField](#) (string type, string name, 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**

3.3.1 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.

3.3.2 Constructor & Destructor Documentation

3.3.2.1 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.

3.3.3 Member Function Documentation

3.3.3.1 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.

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

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

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

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

3.3.3.4 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 436 of file pagestructure.cc.

3.3.3.5 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.

3.3.3.6 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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.3.3.8 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.

3.3.3.9 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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.3.3.11 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(GET/POST) --

Definition at line 223 of file pagestructure.cc.

3.3.3.12 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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.3.3.14 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.

3.3.3.15 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.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.3.3.19 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 333 of file pagestructure.cc.

3.3.3.20 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 361 of file pagestructure.cc.

3.3.3.21 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.

3.3.3.22 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.

3.3.3.23 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.

3.3.3.24 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.

3.3.3.25 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.

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

Logo on Page

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

Definition at line 74 of file pagelayout.cc.

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

Logout link

————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

3.3.3.28   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.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.3.3.32   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 406 of file pagestructure.cc.

3.3.3.33   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.

3.3.3.34 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.

3.3.3.35 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.

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

End Table

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

Definition at line 266 of file pagestructure.cc.

3.3.3.37 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.

3.3.3.38 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.

3.3.4 Member Data Documentation

3.3.4.1 string InputDetail::emailID `[protected]`

Email id

Definition at line 55 of file inputdetail.h.

3.3.4.2 InputFieldName InputDetail::fieldName `[protected]`

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

3.3.4.3 string InputDetail::projectID `[protected]`

Project ID

Definition at line 55 of file inputdetail.h.

3.3.4.4 string InputDetail::projectName `[protected]`

Project Name

Definition at line 55 of file inputdetail.h.

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

Session ID

Definition at line 40 of file pagelayout.h.

3.3.4.6 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

3.4 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

3.4.1 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.

3.4.2 Constructor & Destructor Documentation

3.4.2.1 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.

3.4.3 Member Function Documentation

3.4.3.1 void InputFieldName::SetFieldNames ( )

Set Field Values

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

Definition at line 52 of file inputfieldname.cc.

3.4.4 Member Data Documentation

3.4.4.1 string InputFieldName::centreName

Center Name

Definition at line 58 of file inputfieldname.h.

3.4.4.2 string InputFieldName::className

ClassName

Definition at line 41 of file inputfieldname.h.

3.4.4.3 string InputFieldName::columns

Columns in room

Definition at line 58 of file inputfieldname.h.

3.4.4.4 string InputFieldName::emailID

Email Field

Definition at line 58 of file inputfieldname.h.

3.4.4.5 string InputFieldName::endRollNo

ending rollno

Definition at line 41 of file inputfieldname.h.

3.4.4.6 string InputFieldName::examDate

Examination Date

Definition at line 58 of file inputfieldname.h.

3.4.4.7 string InputFieldName::examName

Examination Name

Definition at line 58 of file inputfieldname.h.

3.4.4.8 string InputFieldName::examTime

Examination Time

Definition at line 58 of file inputfieldname.h.

3.4.4.9 string InputFieldName::examVenue

Examination Venue

Definition at line 58 of file inputfieldname.h.

3.4.4.10   string InputFieldName::notIncluded

roll that are not included in seating plan

Definition at line 41 of file inputfieldname.h.

3.4.4.11   string InputFieldName::password

Password field

Definition at line 58 of file inputfieldname.h.

3.4.4.12   string InputFieldName::prefix

Prefix of rollno

Definition at line 41 of file inputfieldname.h.

3.4.4.13   string InputFieldName::projectID

Project ID

Definition at line 41 of file inputfieldname.h.

3.4.4.14   string InputFieldName::projectName

Project Name

Definition at line 41 of file inputfieldname.h.

3.4.4.15   string InputFieldName::retypePassword

Retype Password

Definition at line 58 of file inputfieldname.h.

3.4.4.16   string InputFieldName::roomNo

Room Nos w.r.t to centre name

Definition at line 58 of file inputfieldname.h.

3.4.4.17   string InputFieldName::rows

Rows of room

Definition at line 58 of file inputfieldname.h.

3.4.4.18   string InputFieldName::startRollNo

starting roll no

Definition at line 41 of file inputfieldname.h.

3.4.4.19 string InputFieldName::strategyChoice

Strategy option selected by user

Definition at line 58 of file inputfieldname.h.

3.4.4.20 string InputFieldName::subjectCode

SubjectCode

Definition at line 41 of file inputfieldname.h.

3.4.4.21 string InputFieldName::subjectName

SubjectName

Definition at line 41 of file inputfieldname.h.

3.4.4.22 string InputFieldName::totalCentres

Total centres

Definition at line 58 of file inputfieldname.h.

3.4.4.23 string InputFieldName::totalClasses

TotalClasses

Definition at line 41 of file inputfieldname.h.

3.4.4.24 string InputFieldName::totalRooms

Total Rooms w.r.t centers name

Definition at line 58 of file inputfieldname.h.

3.4.4.25 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

3.5 JavaScript Class Reference

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

Public Member Functions

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

3.5.1 Detailed Description

———————————————————————————————— Include header.h file ————————————————————————————————
—— == Class: JavaScript
Description: For creating .js files ==

Definition at line 33 of file javascript.h.

3.5.2 Constructor & Destructor Documentation

3.5.2.1 JavaScript::JavaScript (   )

Constructor

————————————————————————————————-

Include javascript.h file

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

Class: JavaScript

Method: JavaScript :: JavaScript()

Description: Constructor

Definition at line 34 of file javascript.cc.

3.5.3 Member Function Documentation

3.5.3.1 void JavaScript::OnChangeEvent (   )

onchange func. of javascript for i/p fields

3.5.3.2 void JavaScript::OnFocusEvent (   )

For input fields(onfocus action)

————————————————————————————————

Class: JavaScript

Method: JavaScript :: OnFocusEvent()

Description: method for onfocus function in jascript

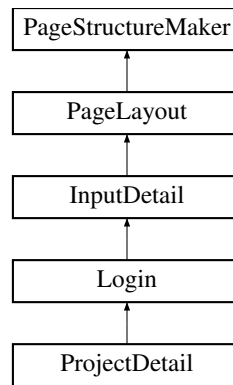
Definition at line 47 of file javascript.cc.

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

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

3.6 Login Class Reference

```
#include <login.h>
```

Inheritance diagram for Login:

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

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, int nameNo, string value)
- • void InputField (string type, string name, 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**

3.6.1 Detailed Description

-- Include required header files ——————————————
——————————— === Class:
Login Description: Login class for user login ===

Definition at line 34 of file login.h.

3.6.2 Constructor & Destructor Documentation

3.6.2.1 Login::Login ( )

Constructor

-- Include login.h header file ——————————————————————————————
————————— ————————————————————————————————

Class: Login

Method: Login :: Login()

Description: Constructor

Definition at line 33 of file login.cc.

3.6.2.2 Login::∼Login ( ) `[inline]`

Destructor

Definition at line 78 of file login.h.

3.6.3 Member Function Documentation

3.6.3.1 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.

3.6.3.2 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.

3.6.3.3 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.

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

Display </BODY>

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

Definition at line 180 of file pagestructure.cc.

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

Display <BODY>

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

Definition at line 166 of file pagestructure.cc.

3.6.3.6   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 436 of file pagestructure.cc.

3.6.3.7   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.

3.6.3.8   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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.6.3.10   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.

3.6.3.11   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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.6.3.13   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.

3.6.3.14   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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.6.3.16   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.

3.6.3.17   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.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.6.3.21   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 333 of file pagestructure.cc.

3.6.3.22 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 361 of file pagestructure.cc.

3.6.3.23 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.

3.6.3.24 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.

3.6.3.25 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.

3.6.3.26 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.

3.6.3.27   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.

3.6.3.28   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.

3.6.3.29   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.

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

Logout link

————————————————————————

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

3.6.3.31   void Login::LogoutPage ( )

Logout Page

————————————————————————

Class: Login

Method: Login :: LogoutPage()

Description: Logout Page

Definition at line 224 of file login.cc.

3.6.3.32   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.

3.6.3.33   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.

3.6.3.34   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.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

3.6.3.37 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.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.6.3.39 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 406 of file pagestructure.cc.

3.6.3.40 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.

3.6.3.41 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.

3.6.3.42 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.

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

End Table

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

Definition at line 266 of file pagestructure.cc.

3.6.3.44 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.

3.6.3.45 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.

3.6.4 Member Data Documentation

3.6.4.1 string Login::currentDate `[protected]`

Currennt Date

Definition at line 46 of file login.h.

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

For storting email and password of users Email ID as vector

Definition at line 39 of file login.h.

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

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

3.6.4.4 string Login::msg `[protected]`

Msg string to show error message

Definition at line 46 of file login.h.

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

password as vector variable

Definition at line 39 of file login.h.

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

Project ID

Definition at line 55 of file inputdetail.h.

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

Project Name

Definition at line 55 of file inputdetail.h.

3.6.4.8   string Login::retypePassword   `[protected]`

For reading password

Definition at line 42 of file login.h.

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

Session ID

Definition at line 40 of file pagelayout.h.

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

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

3.6.4.11   string Login::userEmailID   `[protected]`

For reading emailID in text field

Definition at line 42 of file login.h.

3.6.4.12   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

3.7 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)

3.7.1 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

3.8 PageLayout Class Reference

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

Inheritance diagram for PageLayout:
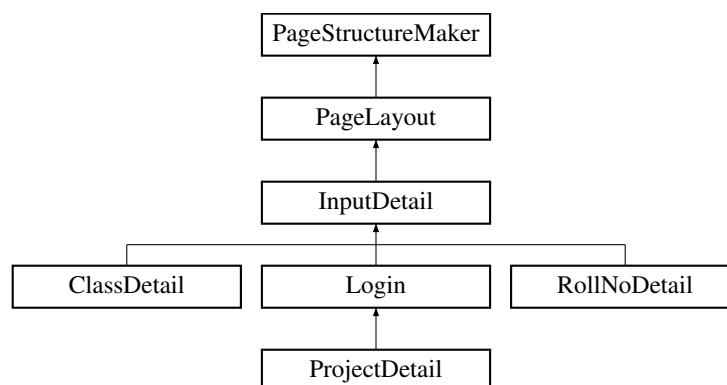
Public Member Functions

- 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, int nameNo, string value)
- void InputField (string type, string name, 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**

3.8.1 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.

3.8.2 Constructor & Destructor Documentation

3.8.2.1 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.

3.8.3 Member Function Documentation

3.8.3.1 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.

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

Display </BODY>

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

Definition at line 180 of file pagestructure.cc.

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

Display <BODY>

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

Definition at line 166 of file pagestructure.cc.

3.8.3.4 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 436 of file pagestructure.cc.

3.8.3.5   void PageLayout::ContextType (   )

Context-Type header

───

Class: PageLayout

Method: PageLayout :: ContextType

Description: Setting content-type header

Definition at line 162 of file pagelayout.cc.

3.8.3.6   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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.8.3.8   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.

3.8.3.9   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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.8.3.11 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.

3.8.3.12 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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.8.3.14 void PageLayout::Header ( )

Header Section of Page

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

Definition at line 89 of file pagelayout.cc.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.8.3.18   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 333 of file pagestructure.cc.

3.8.3.19   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 361 of file pagestructure.cc.

3.8.3.20   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.

3.8.3.21   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.

3.8.3.22 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.

3.8.3.23 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.

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

Logo on Page

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

Definition at line 74 of file pagelayout.cc.

3.8.3.25 void PageLayout::LogoutLink ( )

Logout link

──

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

3.8.3.26 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.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.8.3.30 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 406 of file pagestructure.cc.

3.8.3.31 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.

3.8.3.32 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.

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

End Table

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

Definition at line 266 of file pagestructure.cc.

3.8.3.34 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.

3.8.3.35 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.

3.8.4 Member Data Documentation

3.8.4.1 string PageLayout::sessionID `[protected]`

Session ID

Definition at line 40 of file pagelayout.h.

3.8.4.2 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

3.9 PageStructureMaker Class Reference

`#include <pagestructure.h>`

Inheritance diagram for PageStructureMaker:

```
                        PageStructureMaker
                               ↑
                          PageLayout
                               ↑
                          InputDetail
              ┌────────────────┼────────────────┐
         ClassDetail         Login          RollNoDetail
                               ↑
                         ProjectDetail
```
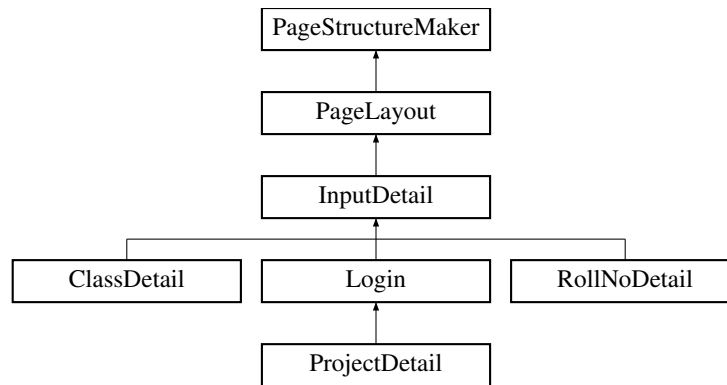
Public Member Functions

- 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, int nameNo, string value)
- void InputField (string type, string name, 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**

3.9.1 Detailed Description

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

Definition at line 31 of file pagestructure.h.

3.9.2 Constructor & Destructor Documentation

3.9.2.1 PageStructureMaker::PageStructureMaker ( )

Constructor

--- Include htmltags.h header files ——————————————— ——————————— --- Class: PageStructureMaker Method: PageStructureMaker :: PageStructureMaker() Description: Constructor ---

Definition at line 33 of file pagestructure.cc.

3.9.3 Member Function Documentation

3.9.3.1 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.

3.9.3.2 void PageStructureMaker::BodyEnd ( )

Display </BODY>

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

Definition at line 180 of file pagestructure.cc.

3.9.3.3 void PageStructureMaker::BodyStart ( )

Display <BODY>

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

Definition at line 166 of file pagestructure.cc.

3.9.3.4 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 436 of file pagestructure.cc.

3.9.3.5 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.

3.9.3.6 void PageStructureMaker::DivEnd ( )

End div section

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

Definition at line 209 of file pagestructure.cc.

3.9.3.7 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.

3.9.3.8 void PageStructureMaker::FormEnd ( )

End Form

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

Definition at line 238 of file pagestructure.cc.

3.9.3.9 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.

3.9.3.10 void PageStructureMaker::HeadEnd ( )

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.9.3.11 void PageStructureMaker::HeadStart ( )

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

3.9.3.12 void PageStructureMaker::HTMLEnd ( )

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

3.9.3.13 void PageStructureMaker::HTMLStart ( )

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.9.3.14 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 333 of file pagestructure.cc.

3.9.3.15 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 361 of file pagestructure.cc.

3.9.3.16   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.

3.9.3.17   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.

3.9.3.18   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.

3.9.3.19   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.

3.9.3.20   void PageStructureMaker::SelectFieldEnd (   )

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

3.9.3.22   void PageStructureMaker::SelectOptionEnd (   )

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.9.3.23   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 406 of file pagestructure.cc.

3.9.3.24   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.

3.9.3.25   void PageStructureMaker::TableEnd (   )

End Table

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

Definition at line 266 of file pagestructure.cc.

3.9.3.26   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.

3.9.3.27 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.

3.9.4 Member Data Documentation

3.9.4.1 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

3.10 ProjectDetail Class Reference

`#include <projectdetail.h>`

Inheritance diagram for ProjectDetail:

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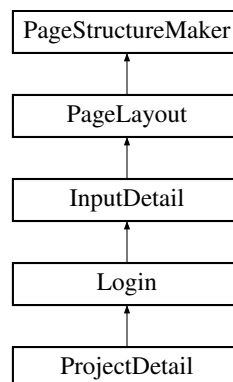
Public Member Functions

- 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, int nameNo, string value)
- void [InputField] (string type, string name, 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**

3.10.1   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.

3.10.2   Constructor & Destructor Documentation

3.10.2.1   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.

3.10.2.2   ProjectDetail::∼ProjectDetail (   )

Destructor

————————————————————————————

Class: ProjectDetail

Method: ProjectDetail :: ∼ProjectDetail()

Description: Destuctor

Definition at line 147 of file projectdetail.cc.

3.10.3 Member Function Documentation

3.10.3.1 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.

3.10.3.2 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.

3.10.3.3 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.

3.10.3.4 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.

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

Display $</$BODY$>$

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

Definition at line 180 of file pagestructure.cc.

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

Display $<$BODY$>$

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

Definition at line 166 of file pagestructure.cc.

3.10.3.7 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 436 of file pagestructure.cc.

3.10.3.8 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.

3.10.3.9 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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.10.3.11 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.

3.10.3.12 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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.10.3.14 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.

3.10.3.15 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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.10.3.17 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.

3.10.3.18 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.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.10.3.22 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 333 of file pagestructure.cc.

3.10.3.23 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 361 of file pagestructure.cc.

3.10.3.24 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.

3.10.3.25 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.

3.10.3.26 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.

3.10.3.27 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.

3.10.3.28 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.

3.10.3.29 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.

3.10.3.30 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.

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

Logout link

──

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

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

Logout Page

──

Class: Login

Method: Login :: LogoutPage()

Description: Logout Page

Definition at line 224 of file login.cc.

3.10.3.33   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.

3.10.3.34   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.

3.10.3.35   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.

3.10.3.36   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.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

3.10.3.39 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.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.10.3.41 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 406 of file pagestructure.cc.

3.10.3.42 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.

3.10.3.43 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.

3.10.3.44 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.

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

End Table

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

Definition at line 266 of file pagestructure.cc.

3.10.3.46 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.

3.10.3.47 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.

3.10.4 Member Data Documentation

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

Currennt Date

Definition at line 46 of file login.h.

3.10.4.2 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.

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

Objects of [InputFieldName](#) and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

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

Msg string to show error message

Definition at line 46 of file login.h.

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

password as vector variable

Definition at line 39 of file login.h.

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

Project ID

Definition at line 55 of file inputdetail.h.

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

Project Name

Definition at line 55 of file inputdetail.h.

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

For reading password

Definition at line 42 of file login.h.

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

Session ID

Definition at line 40 of file pagelayout.h.

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

HTML Tag Variables for td, th, bold, etc

Definition at line 37 of file pagestructure.h.

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

For reading emailID in text field

Definition at line 42 of file login.h.

3.10.4.12 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

3.11 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

3.11.1 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.

3.11.2 Constructor & Destructor Documentation

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

Constructor

Definition at line 51 of file readinputfield.h.

3.11.3 Member Function Documentation

3.11.3.1 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.

3.11.3.2 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.

3.11.4 Member Data Documentation

3.11.4.1 form_iterator ReadInputField::fi `[protected]`

Form Iterator

Definition at line 44 of file readinputfield.h.

3.11.4.2 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

3.12 RollNoDetail Class Reference

`#include <rollnodetail.h>`

Inheritance diagram for RollNoDetail:
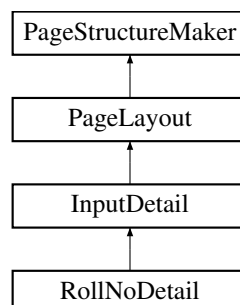
Public Member Functions

- 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, int nameNo, string value)
- void InputField (string type, string name, 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**

3.12.1 Detailed Description

--- Include required header files ——————————————
———————— === Class:
RollNoDetail Description: RollNoDetail class for ==

Definition at line 33 of file rollnodetail.h.

3.12.2 Constructor & Destructor Documentation

3.12.2.1 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.

3.12.3 Member Function Documentation

3.12.3.1 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.

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

Display </BODY>

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

Definition at line 180 of file pagestructure.cc.

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

Display <BODY>

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

Definition at line 166 of file pagestructure.cc.

3.12.3.4 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 436 of file pagestructure.cc.

3.12.3.5 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.

3.12.3.6 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.

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

End div section

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

Definition at line 209 of file pagestructure.cc.

3.12.3.8 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.

3.12.3.9 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.

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

End Form

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

Definition at line 238 of file pagestructure.cc.

3.12.3.11 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.

3.12.3.12 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.

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

Display </HEAD>

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

Definition at line 112 of file pagestructure.cc.

3.12.3.14 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.

3.12.3.15 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.

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

Display <HEAD>

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

Definition at line 99 of file pagestructure.cc.

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

Display </HTML>

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

Definition at line 86 of file pagestructure.cc.

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

Display <HTML>

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

Definition at line 73 of file pagestructure.cc.

3.12.3.19 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 333 of file pagestructure.cc.

3.12.3.20 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 361 of file pagestructure.cc.

3.12.3.21 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.

3.12.3.22 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.

3.12.3.23 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.

3.12.3.24   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.

3.12.3.25   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.

3.12.3.26   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.

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

Logout link

──

Class: PageLayout

Method: PageLayout :: LogOutLink()

Description: logout link

Definition at line 175 of file pagelayout.cc.

3.12.3.28 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.

3.12.3.29 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.

3.12.3.30 void RollNoDetail::RollNoDetailPage ( )

RollNoDetailPage for getting rollnos

───

Class: RollNoDetail

Method: RollNoDetail :: RollNoDetailPage()

Description:

Definition at line 143 of file rollnodetail.cc.

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

End Select Field

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

Definition at line 392 of file pagestructure.cc.

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

Select Field Start

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

Definition at line 379 of file pagestructure.cc.

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

Selct Option End

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

Definition at line 422 of file pagestructure.cc.

3.12.3.34 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 406 of file pagestructure.cc.

3.12.3.35 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.

3.12.3.36 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.

3.12.3.37 void RollNoDetail::SplitSubject ( )

spliting subject name and subject codes

————————————————————————————

Class: RollNoDetail

Method: RollNoDetail :: SplitSubject()

Description: Split subjects

Definition at line 99 of file rollnodetail.cc.

3.12.3.38 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.

3.12.3.39 void PageStructureMaker::TableEnd ( ) [inherited]

End Table

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

Definition at line 266 of file pagestructure.cc.

3.12.3.40   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.

3.12.3.41   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.

3.12.4   Member Data Documentation

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

Email id

Definition at line 55 of file inputdetail.h.

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

Objects of InputFieldName and ReadFieldsValue class

Definition at line 46 of file inputdetail.h.

3.12.4.3   string RollNoDetail::prefix[MIN_SIZE]   `[protected]`

for storing values of roll detail

Definition at line 37 of file rollnodetail.h.

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

Project ID

Definition at line 55 of file inputdetail.h.

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

Project Name

Definition at line 55 of file inputdetail.h.

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

Session ID

Definition at line 40 of file pagelayout.h.

3.12.4.7 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

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