**UI Components’ Functionalities**

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| **Location** | **Object Name** | **Type** | **Function** |
| LoginPage | unameInput | LineEdit | User entering their specific username |
| passInput | LineEdit | User entering their specific password |
| rgstrBtn | Button | Button to open up register page |
| loginBtn | Button | Button to login |
| RegisterPage | nameInputRegisterPage | LineEdit | Must enter name |
| emailInputRegisterPage | LineEdit | Must enter email |
| lNameInputRegisterPage | LineEdit | Must enter last name |
| phoneInputRegisterPage | LineEdit | Must enter phone number |
| unameInputRegisterPage | LineEdit | Must enter *unique* username |
| passInputRegisterPage | LineEdit | Must enter *unique* password |
| majorComboRegisterPage | ComboBox | Must select a major |
| rBtnMaleRegisterPage | RadioButton | Select gender |
| rBtnFemaleRegisterPage | RadioButton |
| advisorInputRegisterPage | LineEdit | Entering designated advisor’s name (optional) |
| rgstrBtnRegisterPage | Button | Button to complete registration |
| backBtnRegisterPage | Button | Button to go back to LoginPage |
| MainPage | lgtBtnMainPage | Button | Button to go back to LoginPage |
| studentPortalBtn | Button | Button to go to StudentPortal |
| degreePlanPortalBtn | Button | Button to go to DegreePlanPortal |
| advisorPortalBtn | Button | Button to go to AdvisorPortal (Inactive currently) |
| StudentPortal | stdPortalHomeBtn | Button | Button to go back to MainPage |
| stdPortalLgtBtn | Button | Button to go back to LoginPage |
| stdPortalDBBtn | Button | Button to go show the student portal dashboard |
| stdPortalNameLabelDB | Label | Label for showing the student’s name |
| stdPortalPhoneLabelDB | Label | Label for showing the student’s phone num |
| stdPortalMajorLabelDB | Label | Label for showing the student’s major |
| stdPortalAdvisorLabelDB | Label | Label for showing the student’s advisor name |
| stdPortalLNameLabelDB | Label | Label for showing the student’s last name |
| stdPortalEmailLabelDB | Label | Label for showing the student’s email |
| stdPortalGenderLabelDB | Label | Label for showing the student’s gender |
| stdPortalAddInfoBtn | Button | Button to show the student’s “modify information” view |
| stdPortalNameInput | LineEdit | For entering “changed” name |
| stdPortalPhoneInput | LineEdit | For entering “changed” phone num |
| stdPortalMajorCombo | ComboBox | For selecting “changed” major |
| stdPortalAdvisorInput | LineEdit | For entering “changed” advisor’s name |
| stdPortalLNameInput | LineEdit | For entering “changed” last name |
| stdPortalEmailInput | LineEdit | For entering “changed” email |
| stdPortalRBtnMale | RadioButton | For selecting gender |
| stdPortalRBtnFemale | RadioButton |
| stdPortalResetBtn | Button | Button to clear the inputted information of the fields |
| stdPortalSaveBtn | Button | Button to save the inputted information |
| DegreePlanPortal | dpPortalHomeBtn | Button | Button to go back to MainPage |
| dpPortalLgtBtn | Button | Button to go back to LoginPage |
| dpPortalDBBtn | Button | Button to show “degree plan dashboard” view |
| dpPortalTotalCreditLabel | Label | Label for showing student’s total taken credits (based on the total number entered courses) |
| dpPortalCGPALabel | Label | Label for showing student’s CGPA (based on the entered Final Grades) |
| dpPortalAddCoursesBtn | Button | Button to show “add courses” view |
| dpPortalCNameInput | LineEdit | For entering course name |
| dpPortalCIdInput | LineEdit | For entering course id |
| dpPortalSemesterInput | LineEdit | For entering course’s semester |
| dpPortalFiGradeInput | LineEdit | For entering course final grade |
| dpPortalCCreditsInput | LineEdit | For entering course’s credits |
| dpPortalCStatusCombo | ComboBox | For selecting course’s completion status |
| dpPortalCCategoryCombo | ComboBox | For selecting course’s category |
| dpPortalResetBtn | Button | Button to clear the inputted information of the fields |
| dpPortalSaveBtn | Button | Button to save the inputted information |
| dpPortalDPViewBtn | Button | Button to show “degree plan summery” view |
| dpPortalGenCoursesLabelDB | Label | Label to show the number of general courses taken |
| dpPortalCorCoursesLabelDB | Label | Label to show the number of core courses taken |
| dpPortalEleCoursesLabelDB | Label | Label to show the number of elective courses taken |
| dpPortalConCoursesLabelDB | Label | Label to show the number of concentration courses taken |
| dpPortalMinCoursesLabelDB | Label | Label to show the number of minor courses taken |
| dpPortalGraduatePBar | ProgressBar | Progress bar used for showing the completion progress of the degree plan based on its total credits |
| dpPortalCoursesViewBtn | Button | Button to show the “added courses” table view |
| dpPortalCoursesTable | Table | Table for showing the added courses |
| dpPortalSearchCourseInput | LineEdit | For entering course information to be search from the table |
| dpPortalSearchTypeCombo | ComboBox | For selecting the search type |
| dpPortalSearchBtn | Button | Button to initiate search from the table |
| dpPortalDeleteBtn | Button | Button to delete a selected row of the table |
| dpPortalTableResetBtn | Button | Button to reset modified cell of the table |
| dpPortalTableSaveBtn | Button | Button to save after modifying a cell of the table |