Homework 3

Software Engineering Principle

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Features

Gantt Chart

Used for planning project plan and tasks duration or deadline.

Class Diagram

Used for designing classes in the projects.

Interaction Diagram

Used for designing how classes interact each others in the projects.

Markdown Renderer for the task assignment page

How it works:

- As mentioned earlier, we can use markdown to express the task, $\therefore$ we need a markdown renderer.

Implementation Approach:

- Use QEngineWebView Module in PyQt.

VS-Code Extension (OPTIONAL)

`TODO` extension in VS-Code with better description for the task and with team member(s) assigned to that task.
How it works:

- If you have comment with `TODO` in the front, you can add description of the task in a different entry and also in a markdown file.

- If you want to add a person in charge for that task (OPTIONAL), you can use `@TEMP`, where `TEMP` can be either role or team member names.

- After saved, you can access the `TODO` description as you hover and click to inspect task in the comment.

Implementation Approach:

- Scan through the file looking for comment with `TODO` in the front then keep the entry into the DB.

- We can edit the `TODO` description inside a external markdown file.

Page included in this homework

- **Main Page**: Home page of the program root for navigate to other pages

Code:

MainPageCode.py

```python
import sys
from PySide6.QtWidgets import *
from PySide6.QtCore import *
from PySide6.QtGui import *
from MainPageUI import Ui_Form

white = "white"
lightGray = "#f4f4f4"
yellow = "#ffd77f"
blue = "#32a5da"
darkBlue = "#158bc1"

class mainPage(QMainWindow):
    def __init__(self):
        QMainWindow.__init__(self, None)
        self.ui = Ui_Form()
        self.ui.setupUi(self)

        self.setStyleSheet(f"""
            QMainWindow {{
                background-color: {lightGray};
            }}
        """)

        self.ui.headerFrame.setStyleSheet(f"""
            QFrame#headerFrame {{
                color: white;
                background-color: {blue};
                border: 2px solid {blue};
                border-radius: 12px;
                padding: 8px;
            }}

            QFrame#headerFrame QLabel {{
                color: white;
            }}
        """)
```

```python
logoImg = QPixmap("images/logo-171.png")
self.ui.logo.setPixmap(logoImg)

curMemImg = QPixmap("images/member.png")
self.ui.curMem.setPixmap(curMemImg)

userImg = QPixmap("images/active.png")
self.ui.userPic.setPixmap(userImg)

self.ui.projectFrame.setStyleSheet(f"""
    QFrame#projectFrame {{
        border: 2px solid {blue};
        border-radius: 12px;
        padding: 8px;
    }}

    QFrame#projectTitleFrame {{
        background-color: {yellow};
        border: 2px solid {blue};
        border-radius: 8px;
        padding: 4px;
    }}

    QFrame#projectFrame QPushButton {{
        background-color: white;
        border: 1px solid {blue};
        border-radius: 6px;
        margin: 4px 0px;
    }}

    QFrame#projectFrame QPushButton::hover {{
        background-color: {blue};
        color: white
    }}
""")


self.ui.notiFrame.setStyleSheet(f"""
    QFrame#notiFrame {{
        border: 2px solid {blue};
```

```
            border-radius: 12px;
            padding: 8px;
        }}

        QFrame#notiTitleFrame {{
            background-color: {yellow};
            border: 2px solid {blue};
            border-radius: 8px;
            padding: 4px;
        }}
""")

self.ui.projCharterFrame.setStyleSheet(f"""
        QFrame#projCharterFrame {{
            border: 2px solid {blue};
            border-radius: 12px;
            padding: 8px;
        }}

        QFrame#projCharterTitleFrame {{
            background-color: {yellow};
            border: 2px solid {blue};
            border-radius: 8px;
            padding: 4px;
        }}

        QFrame#projCharterFrame QPushButton {{
            background-color: white;
            border: 1px solid {blue};
            border-radius: 6px;
        }}

        QFrame#projCharterFrame QPushButton::hover {{
            background-color: {blue};
            color: white;
        }}
""")

self.ui.assignFrame.setStyleSheet(f"""
        QFrame#assignFrame {{
            border: 2px solid {blue};
```

```
                border-radius: 12px;
                padding: 8px;
            }}

            QFrame#assignTitleFrame {{
                background-color: {yellow};
                border: 2px solid {blue};
                border-radius: 8px;
                padding: 4px;
            }}

            QFrame#assignFrame QPushButton {{
                background-color: white;
                border: 1px solid {blue};
                border-radius: 6px;
            }}

            QFrame#assignFrame QPushButton::hover {{
                background-color: {blue};
                color: white;
            }}
        """)

        for i in range(1, 8):
            projBtn = getattr(self.ui, "project" + str(i))
            projBtn.clicked.connect(lambda _, x=i:
                ↪   self.changeCurProj(x))

        self.ui.saveProjCharterBtn.clicked.connect(self.saveProjCh⌐
          ↪   arter)

        for i in range(1, 6):
            saveTaskBtn = getattr(self.ui, "saveTask" + str(i) +
                ↪   "Btn")
            saveTaskBtn.clicked.connect(lambda _, x=i:
                ↪   self.saveTask(x))

    def changeCurProj(self, i):
        self.ui.curProj.setText("Current Project: Project " +
          ↪   str(i))
```

```python
    def saveProjCharter(self):
        projObjText = self.ui.projObjInput.text()
        self.ui.projObjInput.setText(projObjText)

        projStructText = self.ui.projStructInput.text()
        self.ui.projStructInput.setText(projStructText)

        projMemText = self.ui.projMemInput.text()
        self.ui.projMemInput.setText(projMemText)

        projDurText = self.ui.projDurInput.text()
        self.ui.projDurInput.setText(projDurText)

        projDeadlineText = self.ui.projDeadlineInput.text()
        self.ui.projDeadlineInput.setText(projDeadlineText)

    def saveTask(self, i):
        taskInput = getattr(self.ui, "task" + str(i) + "Input")
        taskInputText = taskInput.text()
        taskInput.setText(taskInputText)

        nameInput = getattr(self.ui, "name" + str(i) + "Input")
        nameInputText = nameInput.text()
        nameInput.setText(nameInputText)

        statusInput = getattr(self.ui, "status" + str(i) + "Input")
        statusInputText = statusInput.text()
        statusInput.setText(statusInputText)

if __name__ == "__main__":
    app = QApplication()
    w = mainPage()
    w.show()
    sys.exit(app.exec())
```

MainPageUI.py

```python
# -*- coding: utf-8 -*-

################################################################################
## Form generated from reading UI file 'main.ui'
##
## Created by: Qt User Interface Compiler version 6.10.1
##
## WARNING! All changes made in this file will be lost when
##    recompiling UI file!
################################################################################

from PySide6.QtCore import (QCoreApplication, QDate, QDateTime, QLocale,
    QMetaObject, QObject, QPoint, QRect,
    QSize, QTime, QUrl, Qt)
from PySide6.QtGui import (QBrush, QColor, QConicalGradient, QCursor,
    QFont, QFontDatabase, QGradient, QIcon,
    QImage, QKeySequence, QLinearGradient, QPainter,
    QPalette, QPixmap, QRadialGradient, QTransform)
from PySide6.QtWidgets import (QApplication, QFrame, QLabel, QLineEdit,
    QPushButton, QSizePolicy, QWidget)

class Ui_Form(object):
    def setupUi(self, Form):
        if not Form.objectName():
            Form.setObjectName(u"Form")
        Form.resize(961, 582)
        self.widget = QWidget(Form)
        self.widget.setObjectName(u"widget")
        self.widget.setGeometry(QRect(0, 60, 231, 521))
        self.projectFrame = QFrame(self.widget)
        self.projectFrame.setObjectName(u"projectFrame")
        self.projectFrame.setGeometry(QRect(0, 0, 231, 271))
        self.projectFrame.setFrameShape(QFrame.Shape.StyledPanel)
        self.projectFrame.setFrameShadow(QFrame.Shadow.Raised)
```

```python
self.project1 = QPushButton(self.projectFrame)
self.project1.setObjectName(u"project1")
self.project1.setGeometry(QRect(10, 60, 211, 32))
self.project2 = QPushButton(self.projectFrame)
self.project2.setObjectName(u"project2")
self.project2.setGeometry(QRect(10, 90, 211, 32))
self.project3 = QPushButton(self.projectFrame)
self.project3.setObjectName(u"project3")
self.project3.setGeometry(QRect(10, 120, 211, 32))
self.project4 = QPushButton(self.projectFrame)
self.project4.setObjectName(u"project4")
self.project4.setGeometry(QRect(10, 150, 211, 32))
self.projectTitleFrame = QFrame(self.projectFrame)
self.projectTitleFrame.setObjectName(u"projectTitleFrame")
self.projectTitleFrame.setGeometry(QRect(0, 0, 231, 51))
self.projectTitleFrame.setFrameShape(QFrame.Shape.StyledPa⌋
 ↪  nel)
self.projectTitleFrame.setFrameShadow(QFrame.Shadow.Raised)
self.projectTitleLabel = QLabel(self.projectTitleFrame)
self.projectTitleLabel.setObjectName(u"projectTitleLabel")
self.projectTitleLabel.setGeometry(QRect(80, 10, 71, 31))
font = QFont()
font.setFamilies([u"Arial"])
font.setPointSize(18)
font.setBold(True)
self.projectTitleLabel.setFont(font)
self.project5 = QPushButton(self.projectFrame)
self.project5.setObjectName(u"project5")
self.project5.setGeometry(QRect(10, 180, 211, 32))
self.project6 = QPushButton(self.projectFrame)
self.project6.setObjectName(u"project6")
self.project6.setGeometry(QRect(10, 210, 211, 32))
self.project7 = QPushButton(self.projectFrame)
self.project7.setObjectName(u"project7")
self.project7.setGeometry(QRect(10, 240, 211, 32))
self.notiFrame = QFrame(self.widget)
self.notiFrame.setObjectName(u"notiFrame")
self.notiFrame.setGeometry(QRect(0, 270, 231, 251))
self.notiFrame.setFrameShape(QFrame.Shape.StyledPanel)
self.notiFrame.setFrameShadow(QFrame.Shadow.Raised)
self.notiTitleFrame = QFrame(self.notiFrame)
```

```python
self.notiTitleFrame.setObjectName(u"notiTitleFrame")
self.notiTitleFrame.setGeometry(QRect(0, 0, 231, 51))
self.notiTitleFrame.setFrameShape(QFrame.Shape.StyledPanel)
self.notiTitleFrame.setFrameShadow(QFrame.Shadow.Raised)
self.notiTitleLabel = QLabel(self.notiTitleFrame)
self.notiTitleLabel.setObjectName(u"notiTitleLabel")
self.notiTitleLabel.setGeometry(QRect(70, 10, 101, 31))
self.notiTitleLabel.setFont(font)
self.projObjInput_2 = QLineEdit(self.notiFrame)
self.projObjInput_2.setObjectName(u"projObjInput_2")
self.projObjInput_2.setGeometry(QRect(10, 60, 211, 181))
self.widget_2 = QWidget(Form)
self.widget_2.setObjectName(u"widget_2")
self.widget_2.setGeometry(QRect(230, 60, 241, 521))
self.projCharterFrame = QFrame(self.widget_2)
self.projCharterFrame.setObjectName(u"projCharterFrame")
self.projCharterFrame.setGeometry(QRect(0, 0, 241, 521))
self.projCharterFrame.setFrameShape(QFrame.Shape.StyledPan
    el)
self.projCharterFrame.setFrameShadow(QFrame.Shadow.Raised)
self.projObjLabel = QLabel(self.projCharterFrame)
self.projObjLabel.setObjectName(u"projObjLabel")
self.projObjLabel.setGeometry(QRect(10, 60, 211, 31))
font1 = QFont()
font1.setFamilies([u"Arial"])
font1.setPointSize(14)
font1.setBold(True)
self.projObjLabel.setFont(font1)
self.projStructLabel = QLabel(self.projCharterFrame)
self.projStructLabel.setObjectName(u"projStructLabel")
self.projStructLabel.setGeometry(QRect(10, 140, 211, 31))
self.projStructLabel.setFont(font1)
self.projMemLabel = QLabel(self.projCharterFrame)
self.projMemLabel.setObjectName(u"projMemLabel")
self.projMemLabel.setGeometry(QRect(10, 220, 211, 31))
self.projMemLabel.setFont(font1)
self.projDurLabel = QLabel(self.projCharterFrame)
self.projDurLabel.setObjectName(u"projDurLabel")
self.projDurLabel.setGeometry(QRect(10, 300, 211, 31))
self.projDurLabel.setFont(font1)
self.projDeadlineLabel = QLabel(self.projCharterFrame)
```

```python
self.projDeadlineLabel.setObjectName(u"projDeadlineLabel")
self.projDeadlineLabel.setGeometry(QRect(10, 380, 211, 31))
self.projDeadlineLabel.setFont(font1)
self.projCharterTitleFrame = QFrame(self.projCharterFrame)
self.projCharterTitleFrame.setObjectName(u"projCharterTitl
    eFrame")
self.projCharterTitleFrame.setGeometry(QRect(0, 0, 241,
    51))
self.projCharterTitleFrame.setFrameShape(QFrame.Shape.Styl
    edPanel)
self.projCharterTitleFrame.setFrameShadow(QFrame.Shadow.Ra
    ised)
self.projCharterTitleLabel =
    QLabel(self.projCharterTitleFrame)
self.projCharterTitleLabel.setObjectName(u"projCharterTitl
    eLabel")
self.projCharterTitleLabel.setGeometry(QRect(50, 10, 131,
    31))
self.projCharterTitleLabel.setFont(font)
self.projObjInput = QLineEdit(self.projCharterFrame)
self.projObjInput.setObjectName(u"projObjInput")
self.projObjInput.setGeometry(QRect(10, 90, 221, 51))
self.projStructInput = QLineEdit(self.projCharterFrame)
self.projStructInput.setObjectName(u"projStructInput")
self.projStructInput.setGeometry(QRect(10, 170, 221, 51))
self.projMemInput = QLineEdit(self.projCharterFrame)
self.projMemInput.setObjectName(u"projMemInput")
self.projMemInput.setGeometry(QRect(10, 250, 221, 51))
self.projDurInput = QLineEdit(self.projCharterFrame)
self.projDurInput.setObjectName(u"projDurInput")
self.projDurInput.setGeometry(QRect(10, 330, 221, 51))
self.projDeadlineInput = QLineEdit(self.projCharterFrame)
self.projDeadlineInput.setObjectName(u"projDeadlineInput")
self.projDeadlineInput.setGeometry(QRect(10, 410, 221, 51))
self.saveProjCharterBtn =
    QPushButton(self.projCharterFrame)
self.saveProjCharterBtn.setObjectName(u"saveProjCharterBtn
    ")
self.saveProjCharterBtn.setGeometry(QRect(140, 470, 91,
    41))
self.widget_3 = QWidget(Form)
```

```python
self.widget_3.setObjectName(u"widget_3")
self.widget_3.setGeometry(QRect(470, 60, 491, 521))
self.assignFrame = QFrame(self.widget_3)
self.assignFrame.setObjectName(u"assignFrame")
self.assignFrame.setGeometry(QRect(0, 0, 491, 521))
self.assignFrame.setFrameShape(QFrame.Shape.StyledPanel)
self.assignFrame.setFrameShadow(QFrame.Shadow.Raised)
self.assignTitleFrame = QFrame(self.assignFrame)
self.assignTitleFrame.setObjectName(u"assignTitleFrame")
self.assignTitleFrame.setGeometry(QRect(0, 0, 491, 51))
self.assignTitleFrame.setFrameShape(QFrame.Shape.StyledPan
    ↪  el)
self.assignTitleFrame.setFrameShadow(QFrame.Shadow.Raised)
self.assignTitleLabel = QLabel(self.assignTitleFrame)
self.assignTitleLabel.setObjectName(u"assignTitleLabel")
self.assignTitleLabel.setGeometry(QRect(190, 10, 111, 31))
self.assignTitleLabel.setFont(font)
self.task1Label = QLabel(self.assignFrame)
self.task1Label.setObjectName(u"task1Label")
self.task1Label.setGeometry(QRect(10, 60, 211, 31))
font2 = QFont()
font2.setFamilies([u"Arial"])
font2.setPointSize(14)
font2.setBold(False)
self.task1Label.setFont(font2)
self.task1Input = QLineEdit(self.assignFrame)
self.task1Input.setObjectName(u"task1Input")
self.task1Input.setGeometry(QRect(10, 100, 121, 31))
self.by1Label = QLabel(self.assignFrame)
self.by1Label.setObjectName(u"by1Label")
self.by1Label.setGeometry(QRect(140, 106, 21, 20))
font3 = QFont()
font3.setFamilies([u"Arial"])
font3.setPointSize(14)
self.by1Label.setFont(font3)
self.name1Input = QLineEdit(self.assignFrame)
self.name1Input.setObjectName(u"name1Input")
self.name1Input.setGeometry(QRect(170, 100, 121, 31))
self.status1Label = QLabel(self.assignFrame)
self.status1Label.setObjectName(u"status1Label")
self.status1Label.setGeometry(QRect(300, 99, 51, 31))
```

```python
        self.status1Label.setFont(font3)
        self.status1Input = QLineEdit(self.assignFrame)
        self.status1Input.setObjectName(u"status1Input")
        self.status1Input.setGeometry(QRect(350, 100, 51, 31))
        self.saveTask1Btn = QPushButton(self.assignFrame)
        self.saveTask1Btn.setObjectName(u"saveTask1Btn")
        self.saveTask1Btn.setGeometry(QRect(410, 100, 61, 32))
        self.task2Label = QLabel(self.assignFrame)
        self.task2Label.setObjectName(u"task2Label")
        self.task2Label.setGeometry(QRect(10, 151, 211, 31))
        self.task2Label.setFont(font2)
        self.task2Input = QLineEdit(self.assignFrame)
        self.task2Input.setObjectName(u"task2Input")
        self.task2Input.setGeometry(QRect(10, 191, 121, 31))
        self.by2Label = QLabel(self.assignFrame)
        self.by2Label.setObjectName(u"by2Label")
        self.by2Label.setGeometry(QRect(140, 197, 21, 20))
        self.by2Label.setFont(font3)
        self.name2Input = QLineEdit(self.assignFrame)
        self.name2Input.setObjectName(u"name2Input")
        self.name2Input.setGeometry(QRect(170, 191, 121, 31))
        self.status2Input = QLineEdit(self.assignFrame)
        self.status2Input.setObjectName(u"status2Input")
        self.status2Input.setGeometry(QRect(350, 191, 51, 31))
        self.saveTask2Btn = QPushButton(self.assignFrame)
        self.saveTask2Btn.setObjectName(u"saveTask2Btn")
        self.saveTask2Btn.setGeometry(QRect(410, 191, 61, 32))
        self.status2Label = QLabel(self.assignFrame)
        self.status2Label.setObjectName(u"status2Label")
        self.status2Label.setGeometry(QRect(300, 190, 51, 31))
        self.status2Label.setFont(font3)
        self.task3Label = QLabel(self.assignFrame)
        self.task3Label.setObjectName(u"task3Label")
        self.task3Label.setGeometry(QRect(10, 250, 211, 31))
        self.task3Label.setFont(font2)
        self.task3Input = QLineEdit(self.assignFrame)
        self.task3Input.setObjectName(u"task3Input")
        self.task3Input.setGeometry(QRect(10, 290, 121, 31))
        self.task4Input = QLineEdit(self.assignFrame)
        self.task4Input.setObjectName(u"task4Input")
        self.task4Input.setGeometry(QRect(10, 381, 121, 31))
```

```python
self.status4Input = QLineEdit(self.assignFrame)
self.status4Input.setObjectName(u"status4Input")
self.status4Input.setGeometry(QRect(350, 381, 51, 31))
self.name4Input = QLineEdit(self.assignFrame)
self.name4Input.setObjectName(u"name4Input")
self.name4Input.setGeometry(QRect(170, 381, 121, 31))
self.by3Label = QLabel(self.assignFrame)
self.by3Label.setObjectName(u"by3Label")
self.by3Label.setGeometry(QRect(140, 296, 21, 20))
self.by3Label.setFont(font3)
self.name3Input = QLineEdit(self.assignFrame)
self.name3Input.setObjectName(u"name3Input")
self.name3Input.setGeometry(QRect(170, 290, 121, 31))
self.saveTask4Btn = QPushButton(self.assignFrame)
self.saveTask4Btn.setObjectName(u"saveTask4Btn")
self.saveTask4Btn.setGeometry(QRect(410, 381, 61, 32))
self.status3Input = QLineEdit(self.assignFrame)
self.status3Input.setObjectName(u"status3Input")
self.status3Input.setGeometry(QRect(350, 290, 51, 31))
self.saveTask3Btn = QPushButton(self.assignFrame)
self.saveTask3Btn.setObjectName(u"saveTask3Btn")
self.saveTask3Btn.setGeometry(QRect(410, 290, 61, 32))
self.task4Label = QLabel(self.assignFrame)
self.task4Label.setObjectName(u"task4Label")
self.task4Label.setGeometry(QRect(10, 341, 211, 31))
self.task4Label.setFont(font2)
self.by4Label = QLabel(self.assignFrame)
self.by4Label.setObjectName(u"by4Label")
self.by4Label.setGeometry(QRect(140, 387, 21, 20))
self.by4Label.setFont(font3)
self.status3Label = QLabel(self.assignFrame)
self.status3Label.setObjectName(u"status3Label")
self.status3Label.setGeometry(QRect(300, 289, 51, 31))
self.status3Label.setFont(font3)
self.status4Label = QLabel(self.assignFrame)
self.status4Label.setObjectName(u"status4Label")
self.status4Label.setGeometry(QRect(300, 380, 51, 31))
self.status4Label.setFont(font3)
self.task5Input = QLineEdit(self.assignFrame)
self.task5Input.setObjectName(u"task5Input")
self.task5Input.setGeometry(QRect(10, 480, 121, 31))
```

```python
self.status5Label = QLabel(self.assignFrame)
self.status5Label.setObjectName(u"status5Label")
self.status5Label.setGeometry(QRect(300, 479, 51, 31))
self.status5Label.setFont(font3)
self.task5Label = QLabel(self.assignFrame)
self.task5Label.setObjectName(u"task5Label")
self.task5Label.setGeometry(QRect(10, 440, 211, 31))
self.task5Label.setFont(font2)
self.name5Input = QLineEdit(self.assignFrame)
self.name5Input.setObjectName(u"name5Input")
self.name5Input.setGeometry(QRect(170, 480, 121, 31))
self.saveTask5Btn = QPushButton(self.assignFrame)
self.saveTask5Btn.setObjectName(u"saveTask5Btn")
self.saveTask5Btn.setGeometry(QRect(410, 480, 61, 32))
self.by5Label = QLabel(self.assignFrame)
self.by5Label.setObjectName(u"by5Label")
self.by5Label.setGeometry(QRect(140, 486, 21, 20))
self.by5Label.setFont(font3)
self.status5Input = QLineEdit(self.assignFrame)
self.status5Input.setObjectName(u"status5Input")
self.status5Input.setGeometry(QRect(350, 480, 51, 31))
self.widget_4 = QWidget(Form)
self.widget_4.setObjectName(u"widget_4")
self.widget_4.setGeometry(QRect(0, 10, 961, 51))
self.headerFrame = QFrame(self.widget_4)
self.headerFrame.setObjectName(u"headerFrame")
self.headerFrame.setGeometry(QRect(0, 0, 961, 51))
self.headerFrame.setFrameShape(QFrame.Shape.StyledPanel)
self.headerFrame.setFrameShadow(QFrame.Shadow.Raised)
self.logo = QLabel(self.headerFrame)
self.logo.setObjectName(u"logo")
self.logo.setGeometry(QRect(0, 0, 151, 51))
self.curProj = QLabel(self.headerFrame)
self.curProj.setObjectName(u"curProj")
self.curProj.setGeometry(QRect(230, 0, 241, 51))
font4 = QFont()
font4.setFamilies([u"Arial"])
font4.setPointSize(18)
self.curProj.setFont(font4)
self.userPic = QLabel(self.headerFrame)
self.userPic.setObjectName(u"userPic")
```

```python
        self.userPic.setGeometry(QRect(910, 0, 51, 51))
        self.userLabel = QLabel(self.headerFrame)
        self.userLabel.setObjectName(u"userLabel")
        self.userLabel.setGeometry(QRect(810, 0, 91, 51))
        self.userLabel.setFont(font4)
        self.curMem = QLabel(self.headerFrame)
        self.curMem.setObjectName(u"curMem")
        self.curMem.setGeometry(QRect(470, 0, 201, 51))
        self.curMem.setFont(font4)

        self.retranslateUi(Form)

        QMetaObject.connectSlotsByName(Form)
    # setupUi

    def retranslateUi(self, Form):
        Form.setWindowTitle(QCoreApplication.translate("Form",
            u"Form", None))
        self.project1.setText(QCoreApplication.translate("Form",
            u"Project 1", None))
        self.project2.setText(QCoreApplication.translate("Form",
            u"Project 2", None))
        self.project3.setText(QCoreApplication.translate("Form",
            u"Project 3", None))
        self.project4.setText(QCoreApplication.translate("Form",
            u"Project 4", None))
        self.projectTitleLabel.setText(QCoreApplication.translate(
            "Form", u"Projects", None))
        self.project5.setText(QCoreApplication.translate("Form",
            u"Project 5", None))
        self.project6.setText(QCoreApplication.translate("Form",
            u"Project 6", None))
        self.project7.setText(QCoreApplication.translate("Form",
            u"Project 7", None))
        self.notiTitleLabel.setText(QCoreApplication.translate("Fo
            rm", u"Notification", None))
        self.projObjInput_2.setText("")
        self.projObjLabel.setText(QCoreApplication.translate("Form
            ", u"Project Objective", None))
        self.projStructLabel.setText(QCoreApplication.translate("F
            orm", u"Project Structure", None))
```

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```python
self.projMemLabel.setText(QCoreApplication.translate("Form
↪    ", u"Project Member", None))
self.projDurLabel.setText(QCoreApplication.translate("Form
↪    ", u"Project Duration", None))
self.projDeadlineLabel.setText(QCoreApplication.translate(
↪    "Form", u"Project Deadline", None))
self.projCharterTitleLabel.setText(QCoreApplication.transl
↪    ate("Form", u"Project Charter", None))
self.saveProjCharterBtn.setText(QCoreApplication.translate
↪    ("Form", u"Save", None))
self.assignTitleLabel.setText(QCoreApplication.translate("
↪    Form", u"Assignment", None))
self.task1Label.setText(QCoreApplication.translate("Form",
↪    u"Task 1", None))
self.by1Label.setText(QCoreApplication.translate("Form",
↪    u"By:", None))
self.status1Label.setText(QCoreApplication.translate("Form
↪    ", u"Status:", None))
self.saveTask1Btn.setText(QCoreApplication.translate("Form
↪    ", u"Save", None))
self.task2Label.setText(QCoreApplication.translate("Form",
↪    u"Task 2", None))
self.by2Label.setText(QCoreApplication.translate("Form",
↪    u"By:", None))
self.saveTask2Btn.setText(QCoreApplication.translate("Form
↪    ", u"Save", None))
self.status2Label.setText(QCoreApplication.translate("Form
↪    ", u"Status:", None))
self.task3Label.setText(QCoreApplication.translate("Form",
↪    u"Task 3", None))
self.by3Label.setText(QCoreApplication.translate("Form",
↪    u"By:", None))
self.saveTask4Btn.setText(QCoreApplication.translate("Form
↪    ", u"Save", None))
self.saveTask3Btn.setText(QCoreApplication.translate("Form
↪    ", u"Save", None))
self.task4Label.setText(QCoreApplication.translate("Form",
↪    u"Task 4", None))
self.by4Label.setText(QCoreApplication.translate("Form",
↪    u"By:", None))
```

```python
        self.status3Label.setText(QCoreApplication.translate("Form
        ↪  ", u"Status:", None))
        self.status4Label.setText(QCoreApplication.translate("Form
        ↪  ", u"Status:", None))
        self.status5Label.setText(QCoreApplication.translate("Form
        ↪  ", u"Status:", None))
        self.task5Label.setText(QCoreApplication.translate("Form",
        ↪  u"Task 5", None))
        self.saveTask5Btn.setText(QCoreApplication.translate("Form
        ↪  ", u"Save", None))
        self.by5Label.setText(QCoreApplication.translate("Form",
        ↪  u"By:", None))
        self.logo.setText("")
        self.curProj.setText(QCoreApplication.translate("Form",
        ↪  u"Current Project:", None))
        self.userPic.setText("")
        self.userLabel.setText(QCoreApplication.translate("Form",
        ↪  u"Username", None))
        self.curMem.setText("")
    # retranslateUi
```

Output:

Main Page