



Homework 4

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

```
import sys
from PySide6.QtWidgets import *
from PySide6.QtCore import *
from PySide6.QtGui import *
from PySide6.QtMultimedia import QSoundEffect
from main import Ui_Form

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

class ClickableLabel(QLabel):
    clicked = Signal()

    def mousePressEvent(self, event):
        if event.button() == Qt.LeftButton:
            self.clicked.emit()
            super().mousePressEvent(event)

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

        oldLogo = self.ui.logo
        self.ui.logo = ClickableLabel(oldLogo.parent())
        self.ui.logo.setObjectName(oldLogo.objectName())
        self.ui.logo.setGeometry(oldLogo.geometry())
        self.ui.logo.setAlignment(oldLogo.alignment())
        self.ui.logo.setScaledContents(oldLogo.hasScaledContents())
        oldLogo.deleteLater()
```

```

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;
    }}
""")

logoImg = QPixmap("images/logo.png")
self.ui.logo.setPixmap(logoImg.scaledToHeight(36,
    ↪ Qt.SmoothTransformation))

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;
    }}
    """)

```

```

self.saveSfx = QSoundEffect(self)
self.saveSfx.setSource(QUrl.fromLocalFile("sounds/save.wav"
    ↪ "))
self.saveSfx.setVolume(0.7)

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

self.ui.saveProjCharterBtn.clicked.connect(self.saveProjCh
    ↪ arter)
self.ui.saveProjCharterBtn.clicked.connect(self.saveSfx.pl
    ↪ ay)

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

self.logoAnim = None
self.logoBaseGeo = self.ui.logo.geometry()

self.logoShadow = QGraphicsDropShadowEffect(self.ui.logo)
self.logoShadow.setOffset(0, 0)
self.logoShadow.setBlurRadius(0)
self.logoShadow.setColor(QColor(255, 215, 127, 200))
self.ui.logo.setGraphicsEffect(self.logoShadow)

self.ui.logo.setCursor(Qt.PointingHandCursor)
self.ui.logo.clicked.connect(self.playLogoAnim)

def playLogoAnim(self):
    if self.logoAnim and self.logoAnim.state() ==
        ↪ QAbstractAnimation.Running:
        return

```



```

base = self.logoBaseGeo
cx = base.center().x()
cy = base.center().y()

def scaledRect(scale: float) -> QRect:
    w = int(base.width() * scale)
    h = int(base.height() * scale)
    return QRect(cx - w // 2, cy - h // 2, w, h)

group = QSequentialAnimationGroup(self)

a1 = QPropertyAnimation(self.ui.logo, b"geometry")
a1.setDuration(120)
a1.setEasingCurve(QEasingCurve.OutCubic)
a1.setStartValue(base)
a1.setEndValue(scaledRect(1.12))

a2 = QPropertyAnimation(self.ui.logo, b"geometry")
a2.setDuration(120)
a2.setEasingCurve(QEasingCurve.OutBack)
a2.setStartValue(scaledRect(1.12))
a2.setEndValue(scaledRect(0.98))

a3 = QPropertyAnimation(self.ui.logo, b"geometry")
a3.setDuration(140)
a3.setEasingCurve(QEasingCurve.OutCubic)
a3.setStartValue(scaledRect(0.98))
a3.setEndValue(base)

group.addAnimation(a1)
group.addAnimation(a2)
group.addAnimation(a3)

glow = QSequentialAnimationGroup(self)
g1 = QPropertyAnimation(self.logoShadow, b"blurRadius")
g1.setDuration(140)
g1.setStartValue(0)
g1.setEndValue(22)

g2 = QPropertyAnimation(self.logoShadow, b"blurRadius")
g2.setDuration(240)

```

```

g2.setStartValue(22)
g2.setEndValue(0)

glow.addAnimation(g1)
glow.addAnimation(g2)

both = QParallelAnimationGroup(self)
both.addAnimation(group)
both.addAnimation(glow)

self.logoAnim = both
self.logoAnim.start()

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

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

```
# -*- 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.setObjectName():
            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)
```

```

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.StyledPanel)
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)

```

```

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.StyledPanel)
    ↪ 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)

```

```

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)

```

```

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.StyledPanel)
    ↪ 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))

```



```

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))

```

```

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))

```

```

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")

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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))

```

```

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

```

```

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

```

Image:

logo.png



active.png



member.png





Sound:


- save.wav

Output:

Main Page

 **PEPE**

Current Project: 

Username 

Projects	Project Charter	Assignment
<div>Project 1</div> <div>Project 2</div> <div>Project 3</div> <div>Project 4</div> <div>Project 5</div> <div>Project 6</div> <div>Project 7</div>	<div>Project Objective</div> <div></div> <div>Project Structure</div> <div></div> <div>Project Member</div> <div></div> <div>Project Duration</div> <div></div> <div>Project Deadline</div> <div></div> <div>Save</div>	<div>Task 1</div> <div><div></div> By: <div></div> Status: <div></div> <div>Save</div></div> <div>Task 2</div> <div><div></div> By: <div></div> Status: <div></div> <div>Save</div></div> <div>Task 3</div> <div><div></div> By: <div></div> Status: <div></div> <div>Save</div></div> <div>Task 4</div> <div><div></div> By: <div></div> Status: <div></div> <div>Save</div></div> <div>Task 5</div> <div><div></div> By: <div></div> Status: <div></div> <div>Save</div></div>

Notification