



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, ∴ 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;
}}
""")
```

```

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;
    }}
""")
```

```

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.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)
```

```

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)
    ↳ 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)

```

```

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"projCharterTitleFrame")
    ↳ eFrame")
self.projCharterTitleFrame.setGeometry(QRect(0, 0, 241,
    ↳ 51))
self.projCharterTitleFrame.setFrameShape(QFrame.Shape.Style)
    ↳ edPanel)
self.projCharterTitleFrame.setFrameShadow(QFrame.Shadow.Raised)
    ↳ ised)
self.projCharterTitleLabel =
    ↳ QLabel(self.projCharterTitleFrame)
self.projCharterTitleLabel.setObjectName(u"projCharterTitleLabel")
    ↳ 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)

```

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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))

```

```

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")

```

```

    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.titleLabel.setText(QCoreApplication.translate("Form",
        "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",
    "Project Member", None))
self.projDurLabel.setText(QCoreApplication.translate("Form",
    "Project Duration", None))
self.projDeadlineLabel.setText(QCoreApplication.translate("Form",
    "Project Deadline", None))
self.projCharterTitleLabel.setText(QCoreApplication.translate("Form",
    "Project Charter", None))
self.saveProjCharterBtn.setText(QCoreApplication.translate("Form",
    "Save", None))
self.assignTitleLabel.setText(QCoreApplication.translate("Form",
    "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",
    "Status:", None))
self.status4Label.setText(QCoreApplication.translate("Form",
    "Status:", None))
self.status5Label.setText(QCoreApplication.translate("Form",
    "Status:", None))
self.task5Label.setText(QCoreApplication.translate("Form",
    "Task 5", None))
self.saveTask5Btn.setText(QCoreApplication.translate("Form",
    "Save", None))
self.by5Label.setText(QCoreApplication.translate("Form",
    "By:", None))
self.logo.setText("")
self.curProj.setText(QCoreApplication.translate("Form",
    "Current Project:", None))
self.userPic.setText("")
self.userLabel.setText(QCoreApplication.translate("Form",
    "Username", None))
self.curMem.setText("")
# retranslateUi

```

Image:

logo.png



active.png



member.png



Sound:

- save.wav

Output:

Main Page

PEPE		
Current Project:		
		
Projects	Project Charter	Assignment
<ul style="list-style-type: none">Project 1Project 2Project 3Project 4Project 5Project 6Project 7	<p>Project Objective</p> <p>Project Structure</p> <p>Project Member</p> <p>Project Duration</p> <p>Project Deadline</p> <p><input type="button" value="Save"/></p>	<p>Task 1 <input type="text"/> By: <input type="text"/> Status: <input type="checkbox"/> <input type="button" value="Save"/></p> <p>Task 2 <input type="text"/> By: <input type="text"/> Status: <input type="checkbox"/> <input type="button" value="Save"/></p> <p>Task 3 <input type="text"/> By: <input type="text"/> Status: <input type="checkbox"/> <input type="button" value="Save"/></p> <p>Task 4 <input type="text"/> By: <input type="text"/> Status: <input type="checkbox"/> <input type="button" value="Save"/></p> <p>Task 5 <input type="text"/> By: <input type="text"/> Status: <input type="checkbox"/> <input type="button" value="Save"/></p>
<p>Notification</p> <p><input type="button" value="Save"/></p>		