MainWindow::on\_planVacationBtn\_clicked()

O(1)

MainWindow::on\_modifySouvenirListBtn\_clicked()

O(n)

MainWindow::on\_logInBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_clicked()

O(1)

MainWindow::on\_pushButton\_2\_clicked()

O(1)

MainWindow::on\_pushButton\_3\_clicked()

O(1)

MainWindow::on\_pushButton\_4\_clicked()

O(1)

MainWindow::on\_quitBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_10\_clicked()

O(1)

MainWindow::on\_shoppingCartBtn\_clicked()

O(1)

MainWindow::on\_viewStadiumBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_12\_clicked()

O(1)

MainWindow::setPvec(int set)

O(1)

MainWindow::setSvec(QString set)

O(1)

MainWindow::on\_modifyStadiumListBtn\_clicked()

O(1)

MainWindow::on\_addStadiumBtn\_clicked()

N = O(n)

MainWindow::on\_addStadiumButton\_clicked()

N = O(n)

MainWindow::on\_pushButton\_8\_clicked()

O(1)

MainWindow::on\_pushButton\_9\_clicked()

O(1)

MainWindow::on\_customizeShortestBtn\_clicked()

N = O(n)

MainWindow::on\_pushButton\_5\_clicked()

O(1)

MainWindow::on\_pushButton\_6\_clicked()

O(1)

MainWindow::on\_pushButton\_7\_clicked()

O(1)

Graph::insertEdge(int originNumber, int destinationNumber, double weight)

O(1)

Graph::insertEdge(QString originName, QString destinationName, double weight)

N = O(n)

void Graph::insertVertex(QString vName)

N= O(n)

void Graph::printMatrix()

N + N = O(2n) = O(n)

QString Graph::Dikstras(int startVertex)

N^2 + N + N^3 + N + N = O(n3+n2+2n) = O(n3)

Graph::searchVertex(QString vName)

N = O(n)

Graph::minKey(vector<int> key, vector<bool> mstSet, int size)

N = O(n)

Graph:: printMST(vector<int> &parent, int n)

N = O(n)

Graph:: calcMST()

N + N2 + N = O(n2+2n) = O(n2)

Graph::customizeDikstras(int startVertex, vector<int> verticesList)

N2 + N + N3 + N2 = O(n3+2n2+n) = O(n3)

MainWindow::initializeGraph()

N + N = O(2n) = O(n)

MainWindow::loadData()

N + N = O(2n) = O(n)

MainWindow::on\_planVacationBtn\_clicked()

O(1)

MainWindow::on\_modifySouvenirListBtn\_clicked()

O(1)

MainWindow::on\_logInBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_clicked()

O(1)

MainWindow::on\_pushButton\_2\_clicked()

O(1)

MainWindow::on\_pushButton\_3\_clicked()

O(1)

MainWindow::on\_pushButton\_4\_clicked()

O(1)

MainWindow::on\_quitBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_10\_clicked()

O(1)

MainWindow::on\_shoppingCartBtn\_clicked()

O(1)

MainWindow::on\_viewStadiumBtn\_clicked()

O(1)

MainWindow::on\_pushButton\_12\_clicked()

O(1)

MainWindow::setPvec(int set)

O(1)

MainWindow::setSvec(QString set)

O(1)

MainWindow::on\_modifyStadiumBtn\_clicked()

N = O(n)

MainWindow::on\_backButton\_clicked()

O(1)

MainWindow::on\_modifyButtton\_clicked()

O(1)

MainWindow::on\_StadiumComboBox\_currentIndexChanged(const QString &arg1)

O(1)

MainWindow::on\_MSTBtn\_clicked()

N + N = O(2n) = O(n)

MainWindow::on\_pushButton\_16\_clicked()

O(1)

shoppingCart::fillAllLists()

N + M = O(n + m)

shoppingCart::setList(const QHash<QString, Stadium> &list)

N + M = O(n + m)

shoppingCart::on\_pushButton\_checkout\_clicked()

O(1)

shoppingCart::on\_pushButton\_updateCart\_clicked()

N2 = O(n2)

MainWindow::on\_shortestAngelBtn\_clicked()

N + N^2 + N + N^3 + N + N = O(n3+n2+3n) = O(n3)

MainWindow::on\_backBtn\_clicked()

O(1)

MainWindow::on\_backBtn\_2\_clicked()

O(1)

Souvenir::setName(QString set)

O(1)

Souvenir::setPrice(double set)

O(1)

Souvenir::getName()

O(1)

Souvenir::getPrice()

O(1)

Souvenir::getPriceStr()

O(1)

getSouvenirInfo()

O(1)

Stadium::setStadiumName(QString set)

O(1)

Stadium::setTeamName(QString set)

O(1)

Stadium::setAddress(QString set)

O(1)

Stadium::setPhoneNumber(QString set)

O(1)

Stadium::setLeague(QChar set)

O(1)

Stadium::setGrassField(bool set)

O(1)

Stadium::setDateOpened(QDate set)

O(1)

Stadium::getNumSouvenir()

O(1)

Stadium::setCapacity(QString set)

O(1)

Stadium::getStadiumName()

O(1)

Stadium::getTeamName()

O(1)

Stadium::getAddress()

O(1)

Stadium::getPhoneNumber()

O(1)

Stadium::getLeague()

O(1)

Stadium::getGrassField()

O(1)

Stadium::getDateOpened()

O(1)

Stadium::getCapacity()

O(1)

Stadium::displayStadium()

O(1)

Stadium::getSouvenirList()

O(1)

MainWindow::on\_viewMajorLeagueBtn\_clicked()

N + N = O(2n) = O(n)

MainWindow::on\_pushButton\_11\_clicked()

O(1)

MainWindow::on\_viewAmericanLeagueBtn\_clicked()

N + N + N = O(3n) = O(n)

MainWindow::on\_pushButton\_13\_clicked()

O(1)

MainWindow::on\_viewGrassSurfaceBtn\_clicked()

N + N + N = O(3n) = O(n)

MainWindow::on\_pushButton\_15\_clicked()

O(1)

MainWindow::on\_viewNationalLeagueBtn\_clicked()

N + N + N = O(3n) = O(n)

MainWindow::on\_pushButton\_14\_clicked()

O(1)