



Macromedia University of Applied Sciences

Course Title: Advanced Coding Skills

Name of Examiner: William Baker Morrison

To be completed by students:

302608

Student ID number

B-Ubr DT ATI 6e 23W

Matriculation

Karimi

Last name

Armin

First name

The student work will be submitted as:

(Please fill in the letter X in the appropriate box)

- Individual work
 Group work

Does only apply to group work: (Complete only if it is a group work)

If you are submitting a group work, please list the first and last names of all group members. The names must be entered electronically by the respective group members themselves. By entering the name, it is confirmed that the student agrees to submit the paper in the present form. Furthermore, by entering their names it is declared by the individual group members to have created the project paper (in case of a group work: the part which the respective student has contributed to the paper and has marked accordingly within the paper) on their own, without the help of others. In the process, the student has not used any aids other than those cited in the listing of sources and literature. All passages taken either verbatim or in adapted form from publications are indicated as such. The work has not been submitted to another examination office in the same or a similar form. With the submission, the group members agree that all evaluations and notes of the examiners are deposited in the uploaded work. The group member who uploaded the work must make the correction notes available to the other group members.

- 1) _____
2) _____
3) _____
4) _____

- 5) _____
6) _____
7) _____
8) _____

Assessment of group work:

(Please fill in the letter X in the appropriate box)

- I apply for an individual evaluation (i.e. each member of the group will receive an individual mark)
 I apply for a group evaluation (i.e. each member of the group receives an identical grade)

Berlin , 25.06.2024

Place/Date

Armin Karimi

Complete First Name and Last Name

Evaluation (according to grading scale), result of initial inspection: total points: _____

Date:

Name, first name First Examiner (to be filled in digitally)

To be completed by the examiner: (Text area for the second examiner)

ADVANCED CODING SKILLS



INTRODUCTION

In response to the dynamic demands of student life, we present our Multi-Purpose Program—a flexible application carefully designed to meet the unique needs of students and beyond.

Beyond its usefulness for students, this application extends its functionality to anyone seeking efficient task management, expense tracking, and a touch of entertainment a game(sudoku). For Saving Method we have used JSON and the whole project is coded using inheritance.



Prepared By :

Armin Karimi

USER INTERFACE

This program has a user-friendly interface that's super easy to use. With the Task Manager, you can quickly add, track, and mark tasks as done, helping you manage your time better. The Expense Tracker makes it simple to keep an eye on your spending just add your expenses, and it'll generate helpful reports. And don't forget the Game!

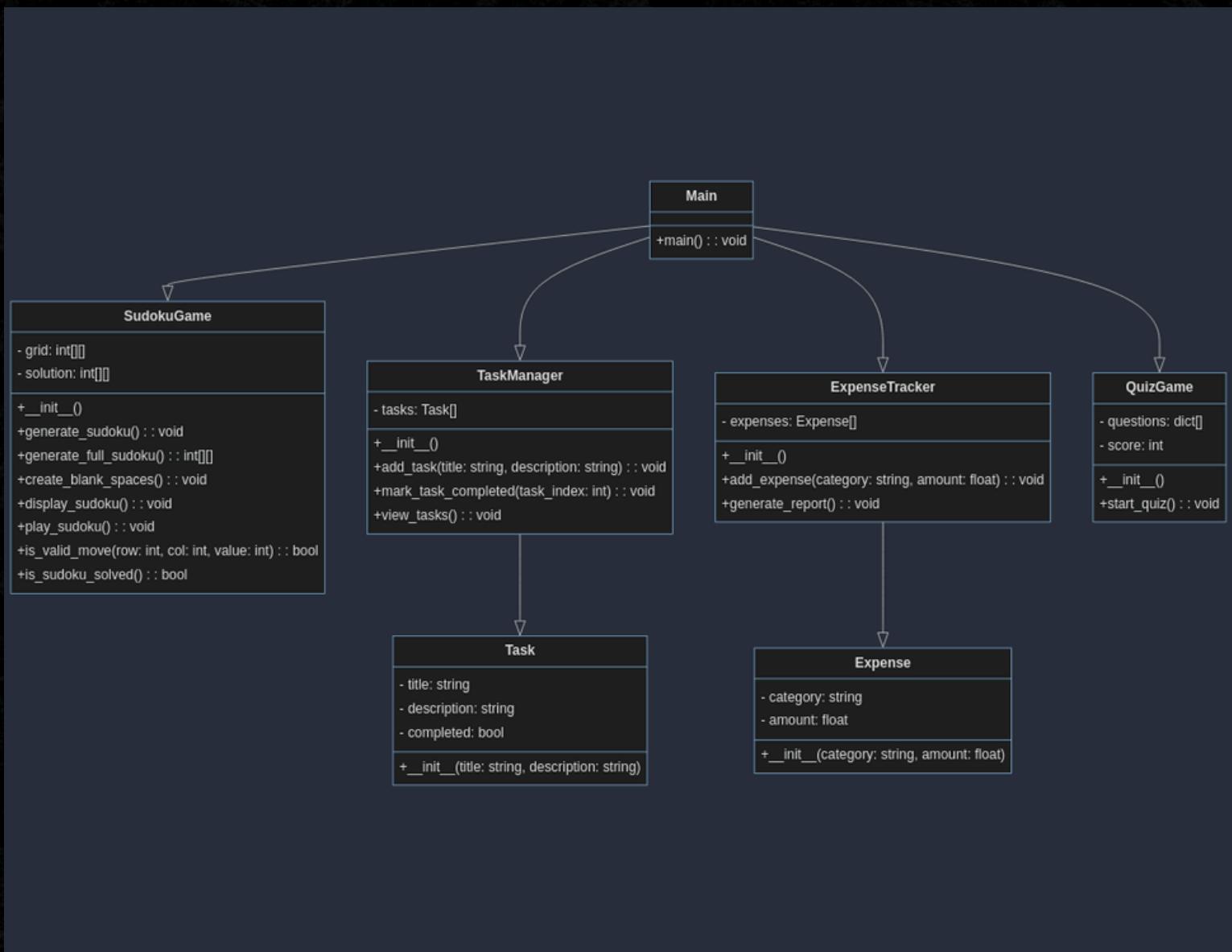
DATA STORAGE

Data storage is designed for convenience, allowing users to locally store their tasks, expenses, and quiz scores. The program does not rely on external databases, ensuring privacy and accessibility without the need for constant internet connectivity.

ERROR HANDLING

To enhance user experience, robust error handling mechanisms have been implemented. Users will receive informative error messages, ensuring a smooth interaction even in the face of unexpected inputs or scenarios.

UML DIAGRAM



Sworn Statement

I, Armin Karimi
born on 29.01.2003

hereby declare that I have prepared this thesis independently and without external assistance. In doing so, I have not used any aids other than those mentioned in the enclosed list of sources.

All points that have been taken from publications literally or adapted form have been identified as such by me.

Berlin....., 25.06.2024.....
[Place] [Date]

.....
[Signature]