COMP1110 Assignment 2

Tuesday 14d
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IQ Focus Puzzle

New Game Reset Board Hide Challenge Hint Save Game Load Game Help
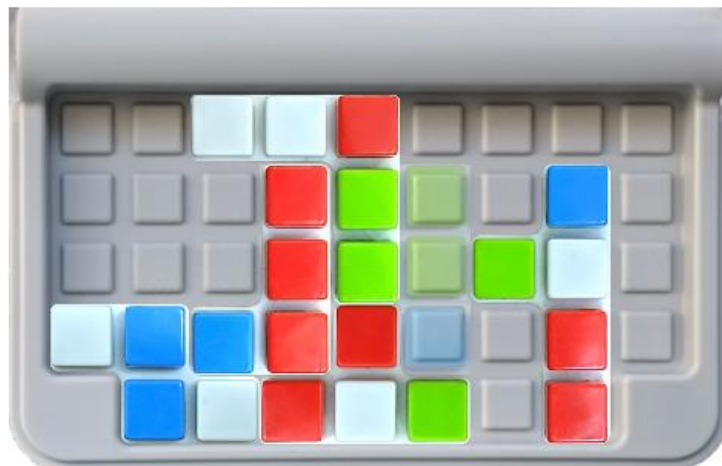
Challenge #7

Difficulty

1   2   3

Place all the pieces
on the board that
forms the 3x3
challenge shown!

Press Z to rotate
pieces

Hints remaining: 0
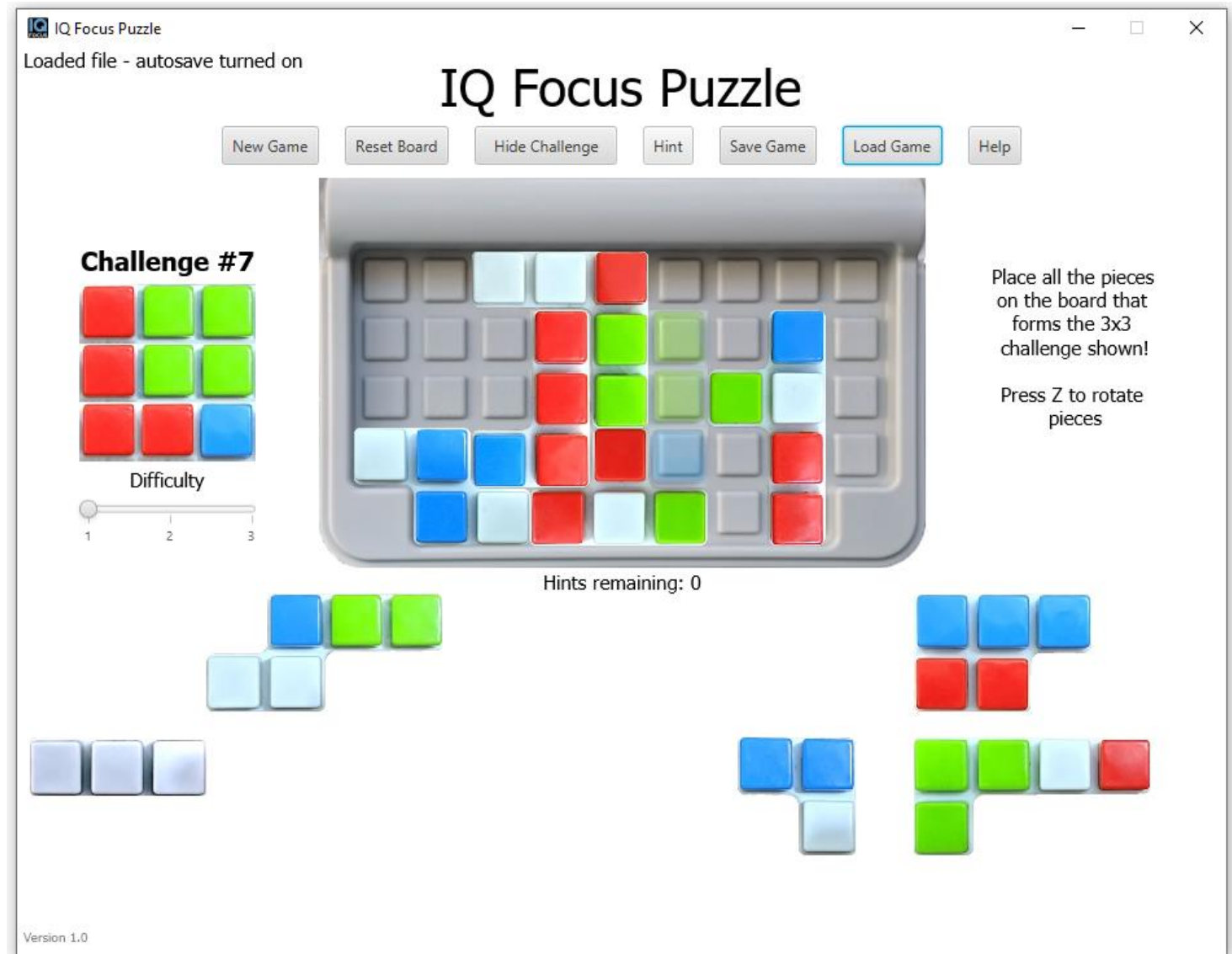
Summary

Fully playable game

Implemented challenges with progression

Implemented hints (with limit)

Save and load functionality

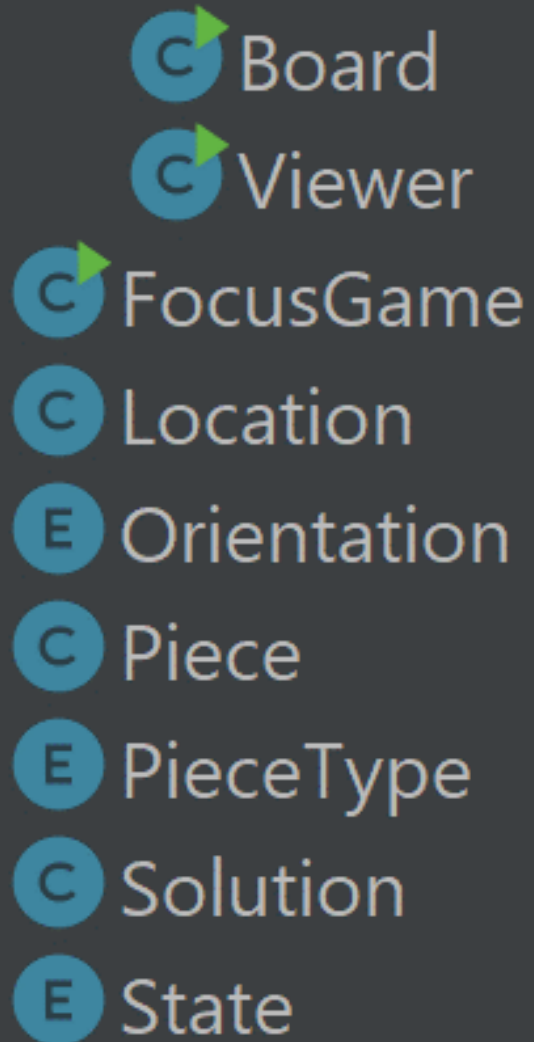Autosave functionality

Instructions for player

Problem

Playable game that is robust and initiative/easy to play

Solution

"MVC" approach (roughly)
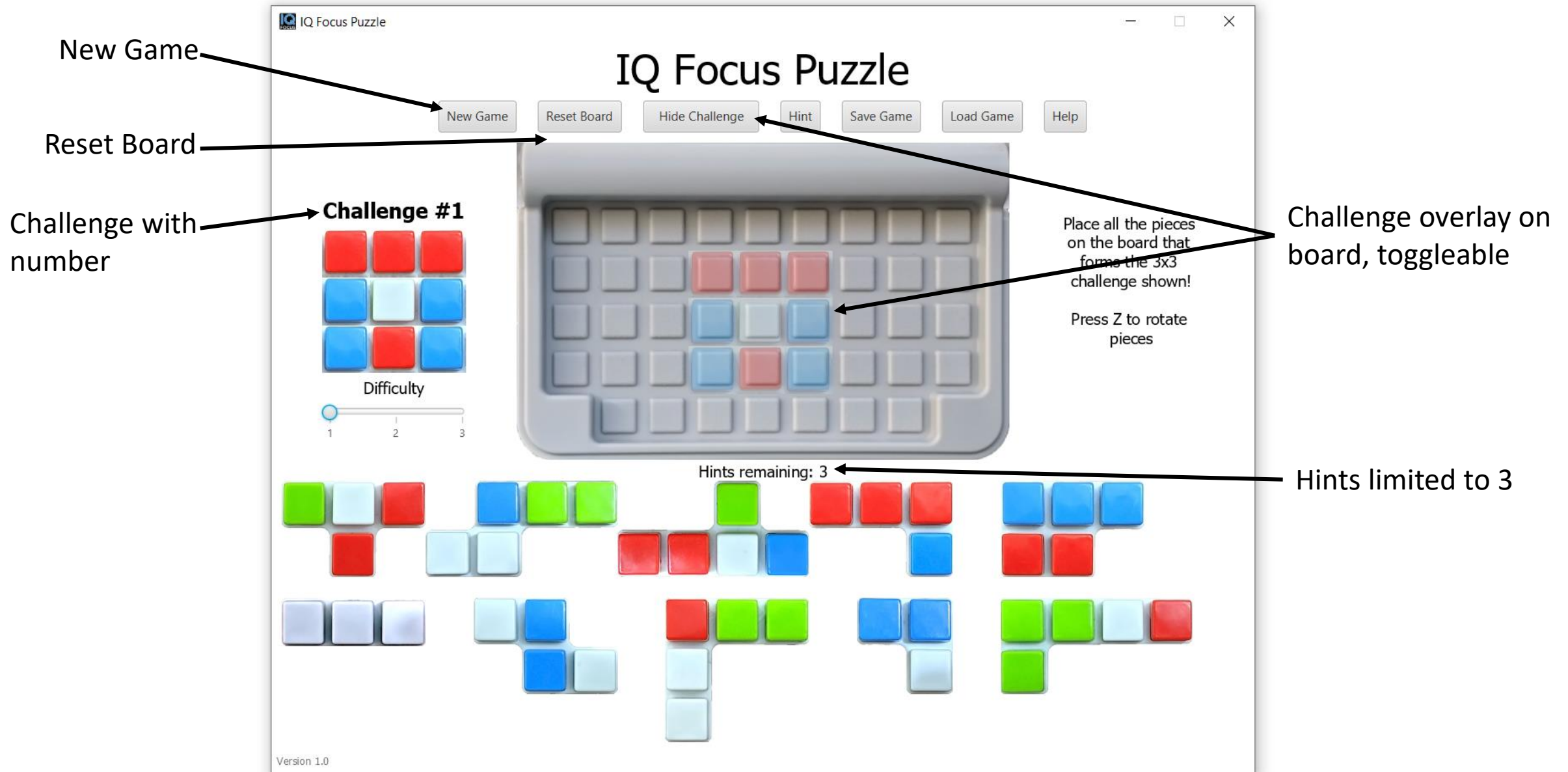Comprehensive GUI and Features

Class Structure

Board
Viewer
FocusGame
Location
Orientation
Piece
PieceType
Solution
State

Board contains the "view" and "controller" components of the application. FocusGame contains the "model" – having model completely separated allows for cleaner, more maintainable code.

Other classes/enums contain simple yet well thought out fields and methods that fit in with the MVC and can be used throughout.
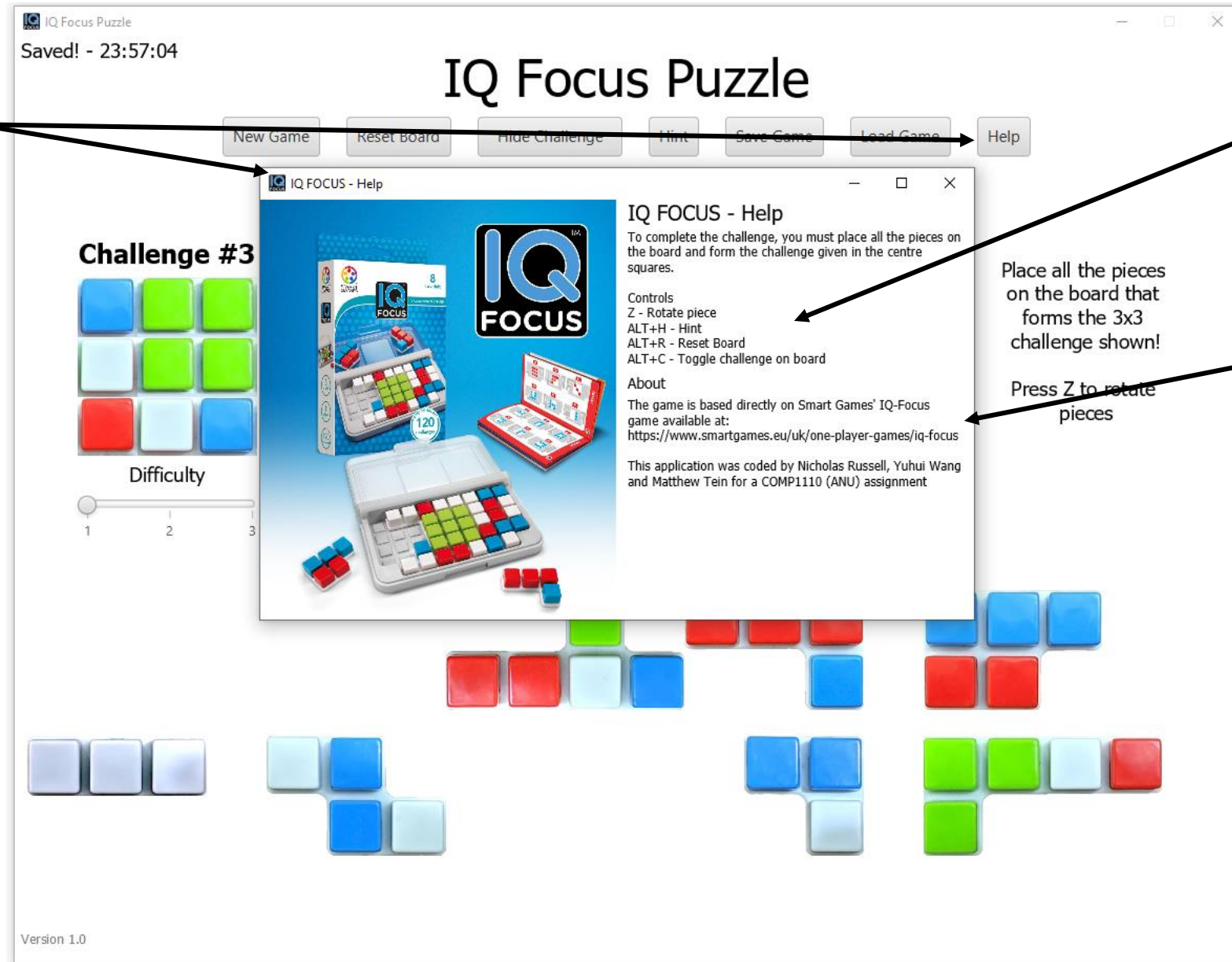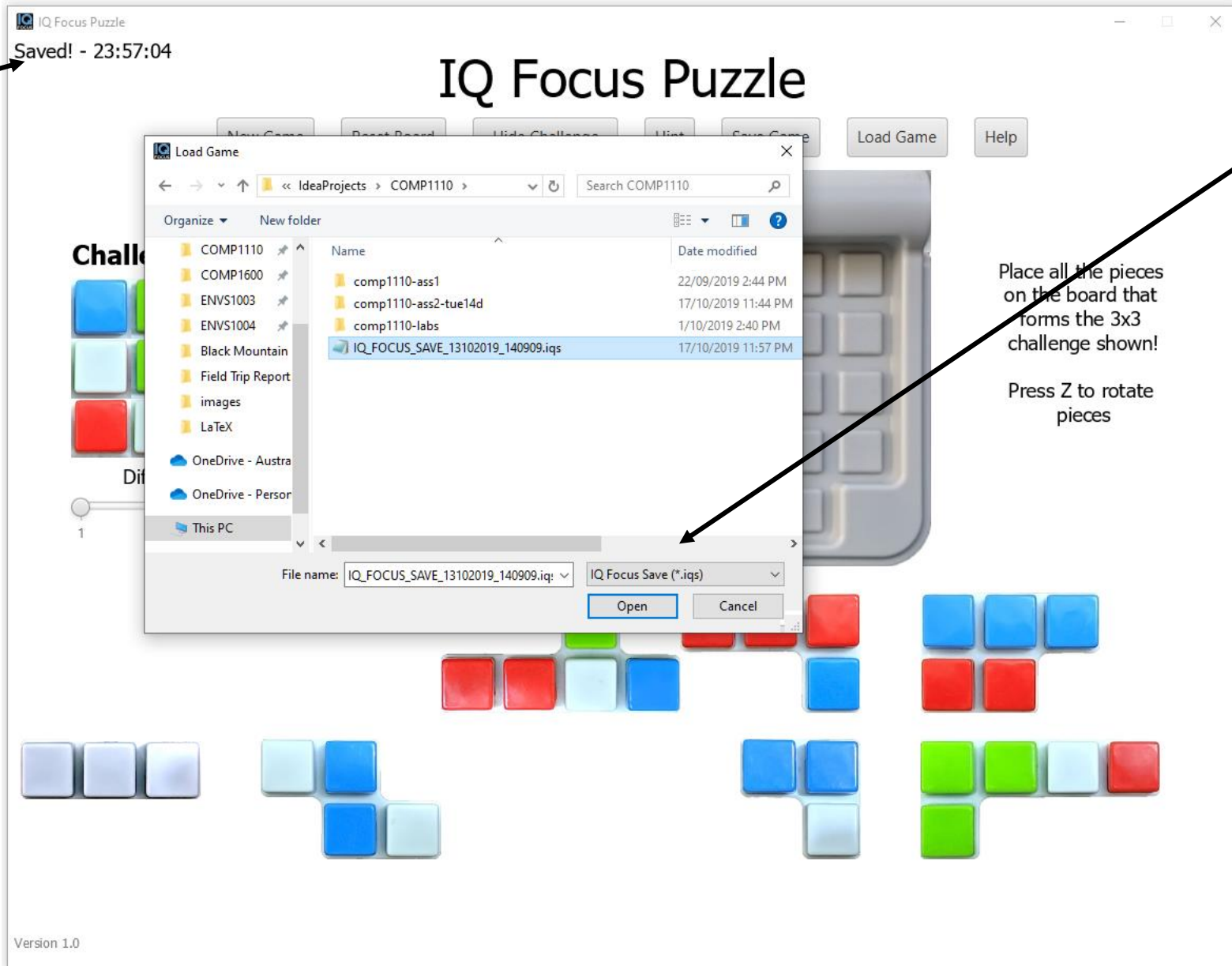
Comprehensive GUI

New Game

Reset Board

Challenge with number

IQ Focus Puzzle

IQ Focus Puzzle

New Game   Reset Board   Hide Challenge   Hint   Save Game   Load Game   Help

Challenge #1

Difficulty

1   2   3

Place all the pieces on the board that forms the 3x3 challenge shown!

Press Z to rotate pieces

Challenge overlay on board, toggleable

Hints remaining: 3

Hints limited to 3

Version 1.0

Comprehensive GUI

Help window

Shortcuts

About

Comprehensive GUI

Autosave!

IQ Focus save files

Questions?