# Project Report: Guess the Number Game – JavaFX Application

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Project Description:

Our project is a JavaFX-based number guessing game designed as a desktop application. Users first register or log in, and then try to guess a randomly generated number within a limited number of attempts. The interface is clean and user-friendly, aiming to provide an interactive gaming experience.

Key Features:

Authentication System: Users must register and log in before playing.

Score Tracking: The game keeps track of how many attempts the user needed.

Game Logic: Random number is generated each round; hints ("Too High", "Too Low") are given.

Session Saving: Each player's best score is saved in a local file.

User Interface: Built using JavaFX Scene Builder for responsive design.

GitHub Link: https://github.com/berenguzen/guess-the-number-javafx

## Feature Table

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|  |  |
| --- | --- |
| Feature | Successfully Realized (Yes or No) |
| Basic functionality |  |
| Authentication |  |
| File processing |  |
| 1st Additional feature |  |
| 2nd Additional feature |  |