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Abstract

A simple fun game to play if you want to learn more about the Dewey Decimal System.

Can you save Sir Dewford? Application

Readme

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# Introduction

Can You Save Sir Dewford? Is an application made to learn and train with the Dewey Decimal System. Have fun, receive notes and stories as well as clues from to find Sir Dewford. Do you think you have what it takes to save Sir Dewford? Will you overcome the rescue mission? “It’s dark, I hear voices. Are we lost souls?”

# Requirements

Please ensure that your PC meets the following system requirements before you run the website:

1. PC runs on Windows 10
2. The application is run on Visual Studio 2019 and upward.
3. Ensure the necessary Visual Studio packages are installed.

# Main Files Contained in Zip Folder

1. Bin
2. CanYouSaveSirDewford.Test / Prototype

# Packages Used for Application

1. System Data
2. System Linq
3. System ComponentModel
4. System Collections Generic
5. System Windows
6. System Drawing
7. System Text
8. System Threading Tasks
9. System Core
10. System Media
11. Microsoft CSharp
12. System Data DataSetExtensions
13. System Deployment
14. System Net Http
15. System Xml
16. System Xml Linq

# Windows in Current Application

1. Home
2. ReplacingBooks
3. Chapters
4. IdentifyingAreas
5. FindingCallNumbers

# Windows For Next Version/Milestone

1. ScoreBoard
2. Storylines

# Run Instructions

1. Download the file:
2. Extract all from the 'Jessica Erasmus ST10114669 PROG7312 Part 2.zip' file onto an easy to access location on your pc.
3. Open Visual Studio 2019 (or above).
4. Select 'Open Project' in the File ribbon at the top of Visual Studio.
5. Select ‘CanYouSaveSirDewford’ as the project to open.
6. Ensure that no red warnings are showing, or if any packages are missing once project is opened.
7. Click 'Run' or the green arrow icon on the top of Visual Studio to run the application.
8. Use the available buttons to navigate.
9. Use the messages and content to guide you through the application.

# Changes

You may notice a few changes that may be upcoming within our updates for next month, especially within stories/chapters, perhaps user interface and more gaming options and functions. Do look forward to Can You Save Sir Dewford updates! The UI has also improved so it invites a broader audience as well.

# Error Handling or Mitigation

Unfortunately, this first prototype does not have as much exception handling of input data as we would have liked to enforce. Our focus in building the application was on the use of prevention methods or what could possibly be causing errors

We have attempted to use as much error handling as possible where we have seen fit during the testing phase, however we are able to improve error handling to utmost specifics when updates arrive as well.

As for the error handling we are using now, it includes exception and out of range handling as well as the use of try-catch statements.

1. If the application cannot run, there might be failure to meet application requirements.
2. If the application suddenly shuts down after you try to enter input on one of the forms, please ensure that the correct data type was entered or not null or empty.
3. There might be a few functionality errors as well within Identifying Areas Game. However, since there are many faults, this will remain a working progress.
4. The Finding Call Buttons Game Has multiple major functionality errors however our team will do our best to fix this within 5 months.

# Theme Plans

1. Expending on Can You Save Sir Dewford?’s user interface theme preference going forward, we may alter and improve the colour theme, perhaps expand story concept as well.
2. Along with the colour theme we aim to have a more attractive user design implemented within the improvements as well.
3. Can You Save Sir Dewford? can advise icon and button design adjustments.
4. Information content may change depending on Can You Save Sir Dewford?’s preferred marketing techniques within best interest for aimed users.
5. Usability features to be improved as well.
6. Functionality may also be improved for better accuracy.