**Textual Data Files Document - Text Adventure Game**

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**Github Link**: <https://github.com/jasdeepsekhon/PYTHON-PROJECT-TEXT-BASED-GAME>

**How program messages, rooms, items and characters**:

Text Adventure Game will have connections to different rooms in our map that we created in the Storyline Document.

In order to go to a specific location on the map, the characters will have to say “go to” and then enter the location they’d like to go to. Of course in order to go to specific locations such as school you must first go through the main yard, and there's certain locations where you will encounter new characters or run into obstacles before entering your location of choice. In order to use each of the items with their respective actions:

| **Items** | **Actions** |
| --- | --- |
| Magic Wand | * *Use* Magic Wand * *Strike* Magic Wand |
| Black Magic Books | * *Open* Black Magic Book * *Read* Black Magic Book |
| Daggers | * *Take* Dagger * *Conceal* Dagger * *Strike* Dagger * *Throw* Dagger |
| Potions | * *Use* potion * *Conceal* Potion |
| Keys | * *Use* keys |
| Chests | * *Open* chests |
| Invisibility Cloaks | * *Use* Invisibility Cloak |
| The Marauder’s Map | * *Open* Marauders map * *Read* Marauder’s map |
| Food | * *Eat* food |
| Time Stopper | * *Use* Time Stopper |

There’s no specific way to “bring” characters into the game, rather they will come in the storyline naturally. So when Harry encounters Ron it’s because he was walking back from School and he saw him in the forbidden forest. Then you can decide to “go to forbidden forest”. Where you approach Ron and he also introduces another character named Draco Malfoy who is his nemesis. Harry helps his friend, and messes up a spell. He decides to run back to his room, this is where Severus Snape is introduced and Harry can either hurt him or tell him what happens. He can also run into Hermoine on his way back who he can convince to join him. As Hermione tags along, many characters can get introduced along the way. I’ll make a table to make this look more easier to understand:

| Actions | Consequences |
| --- | --- |
| Go into Forbidden Forest | * Meet Ron Weasley * Do forbidden spell on Ron changing his face |
| Decide to go back to Room to help Ron OR continue attempting spells | * Go back to Hogwarts try to find potions, spells   OR   * Harry decides to go against Ron and turns away from him to make Professor Snape aware of Ron’s actions. |
| Harry goes against Ron | * Ron is angered that his friend could betray him like this and casts a spell on Harry causing him to fall to the ground |
| Harry cast spell hurting Ron | * Harry grabs his wand, and casts a spell hurting Ron back and Ron falls down. |
| Stopped by Professor Severus Snape who performs a truth spell forcing Harry to confess his actions. | * Harry can either grab a dagger and hurt Snape or work with Snape to capture Ron Weasley. * If Harry decides to hurt Snape he can also grab Snape’s potions from his pockets to help Ron with his spells.   OR   * Harry tells Snape what happened. Snape grabs harry by the neck and drags him to Dumbledore who questions Harry |
| Harry tells Truth to Dumbledore | * Dumbledore and Snape encourage Harry to go back to the Forest to stop him from doing black magic. |
| Harry runs back to Forest | * approached by Hermoine who urges Harry to help Ron as he is his friend * Harry can either go to Professor McGonoagall and help stop Ron from pursuing any actions that can hinder his academic and personal development or join Hermoine in helping Ron. |
|  |  |
| Run back to Forest after grabbing Potions from Severus Snape | * approached by Hermoine who urges Harry to go back to Professor McGonoagall’s office and let him know what Ron is doing, or she will have to go to the professor herself. |
| Harry can either go to Professor McGonoagall and help stop Ron from pursuing any actions that can hinder his academic and personal development or convince Hermoine to join him | * Harry tells Hermoine what Malfoy did, and Hermoine decides to grab her books from her room to help Harry and Ron on their conquest to punish Malfoy for his wrongful actions. * Harry and Hermoine decide to grab weapons to protect themselves from anything that may happen to them in the forest. * They grab more potions, knives, swords and an invisibility cloak from professor McGonoagall’s closet. * Hermoine decides to go through the library to find books on reversing spells in case something goes wrong. |
| Head back to Forest | * Forest begins attacking them |
| Reverse spell | * As they try to reverse the spell that was casted on Ron earlier, a figure begins to appear in the forest. It is Voldemort * They now must use magic and their weapons to defeat him |
| Open magic book | * Open a magic book, look at how to reverse spells. Reverse spell = defeat Voldemort as he is returned to the dark place he came from. |

**File Structure**:

| Rooms | Items | Characters | Actions |
| --- | --- | --- | --- |
| * Forest * Quidditch Field * Potions Class * School * Main Yard * Gryfindor dorm * Hospital * Cafeteria * Bathroom/Dark Magic | * Magic Wand * Black Magic Books * Daggers * Potions * Keys * Chests * Invisibility Cloaks * The Marauder’s Map * Food * Time Stopper | Students:   * Harry Potter * Hemoine Granger * Ron Weasley * Draco Malfoy   Professors:   * Professor Dumbledore * Professor Severus Snape * Professor McGonagall   Final Boss:   * Voldemort | * Take * Drop * Read * Use * Throw * Wield * Conceal * Strike * eat |

What happens in each room:(guys these are not events.this is the map.I want to know what happens inside the rooms in the game.I can make something up like you see ron trying to use black magic and you can prevent it or try to alert snape.

| **Room** | **Events** |
| --- | --- |
| MAIN YARD | * You see ron using dark magic.You can either help him or alert the professor.You have to pickup the Black Magic book to improve your knowledge of black magic to help Ron but this might just have dire consequences.You can move to school or dorm yard from here using (W,E).Helping him increases dark magic spell +20 but also changes snape status to angry.Alerting snape changes snape to happy but you have no extra magic strength. |
| SCHOOL | * You see snape happy if you alerted him or angry if you helped ron.Angry snape and you fight him and die ultimately.Happy snape and he gives you a reward for catching ron,a magic wand.It increases your magic power by 30.You can move to potions class,dark magic defense or magic class.You can find Hermoine here and she wants you to go to potions class.She seems to be possessed so I am not sure if i go there.I am strong though with this magic wand but there may be some secrets I might not be ready to uncover yet. |
| POTIONS CLASS | You enter the potions class and immediately come to face a dementor. You must run out the right door since its dark and you cannot see correctly or must fight it if you have enough magic power.There is a magic potion if nearby if you decide to fight it which will give you some boost.You can only go back to school if you come back out (s). |
| DARK MAGIC DEFENSE | Professor McGonogall tells Harry how to counter the evil spell he accidentally cast on Ron in the forest, and gives him a book he can use to reverse spells (show spells/reversals on screen). Snape rushes in to McGonogall’s office and gives Harry a knife, sword and even better dagger so when he goes back into the forest to save Ron he can survive.Hermione appears again, however she seems to be in her normal state and she vouches to help Harry on his mission to save Ron. |
| MAGIC CLASS | Hermione guides Harry to the magic class to grab some more potions; however these potions are only for magic use and not health. Malfoy appears, and asks Harry and Hermione why they are stealing magic potions and attacks them. Malfoy starts fighting.What do you do?  FIGHT(hands,magic):You win because malfoy is pretty weak.  You collect these potions and find the time Stopper.Time Stopper is known to put you in a different point in time but you donot choose this as it is random.I dont know if it is a good idea to use it.Lets move on or maybe could try this item. |
| DORM YARD | Hermoine starts attacking you with her magical abilities.Do you use magic or fight with hands?  Magic:you go to the hospital because she sucks all the magic out of you with her abilities  Hands:you beat her and are successful in claiming her magical powers.  Dumbledore gifts you another magic staff |
| GRYFFINDOR DORM? | Empty rooms with lots of paintings.A place to restock.Contains chests,daggers,potions and the Marauder’s map.You can pick these things up but be careful to only pick the right things. |
| HOSPITAL | Harry goes to the hospital(only if he loses to Hermoine) and if Ron is still friends if you didnt leak his secret.If you did leak his secret,you are dead as noone took you to hospital.Your hp goes back to full |
| SLYTHEIN DORM | There is a miror.Do you want to look into it?It might do mysterious things.  If yes:Take to mysterious tunnel to fight the replica.You cant beat yourself.Die with no escape  If no,talk to mysterious malfoy who guides you to dark forest and gives you an invisibility cloak. |
| DARK FOREST | Mysterious sounds appear from all angles.You have reached your destiny.Voldemort appears.You must use your force against him as there is no escape.What item would you use against him.  Magic staff seems to hurt him.He attacks you back.Dagger almost kills him or you can choose any other item.He chooses to attack you.If you choose the right combination of spells,you win otherwise you die |
|  | . |

WHAT EACH CHARACTER DOES

| Hermoine | * Hermoine helps Harry and Ron on their conquest to punish Malfoy for his wrongful actions. * Seems to be possessed and her side is not determined. * Casts dark magic and has powers. |
| --- | --- |
| Weasley | * Intent is to commit violent acts using black magic against Draco Malfoy * Has to defeat Voldemort as he is summoned in the end * States:happy ,angry |
| Malfoy | * Wrongs Ron Weasley and thus is subjected to Ron’s intent of punishing him * Is suspended from the school |
| Dumbledore | * Mature professor * Encourages Harry to go back to the Forest and stop Ron from performing illegal magic |
| Snape | * States:Angry,Happy * Angry:If you donot tell him about the fact that ron was using his black magic for revenge * Happy:if you are honest |
| McGonagall | * Head of Gryfinndor * Harry can potentially approach her to stop Ron from committing acts that can suspend him from the school |
| Voldemort | * Villian in the movie who wants to kill the characters and take control of the school using evil magic * Must be defeated for the character to win the game |

Data Files:

Ø Map.json : contains list of rooms with – 1) Descriptions 2) Directions to other rooms

Ø Mapresponses.json: contains responses when the user enters specific room along with list of allowable actions

Ø Items.json: list of items with – 1) description 2) allowable actions 3) effect in the gameworld

Ø Characters: list of characters with state data – 1) Description 2) Mood 3) Allowable actions 4) current location 5) health and magic status 6) Item chest