Manual Testing for Dungeons & Dragons & Digits

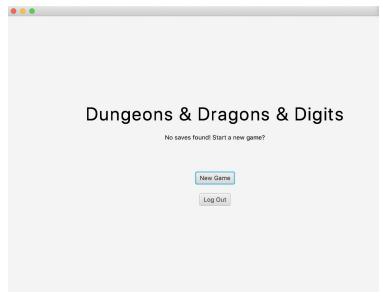
Showing Creation of Profile + Logging In



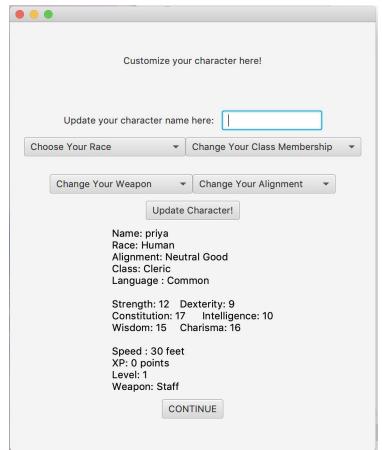
- User chooses username and password, and clicks Create a profile, which brings them to the following screen
- Show profile in server



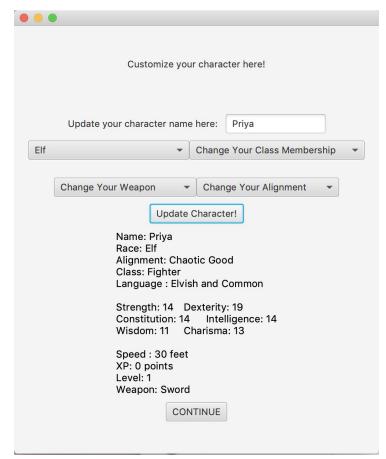
 Showing How Log In Takes User to Main Menu Screen, Where They Can Start New Game



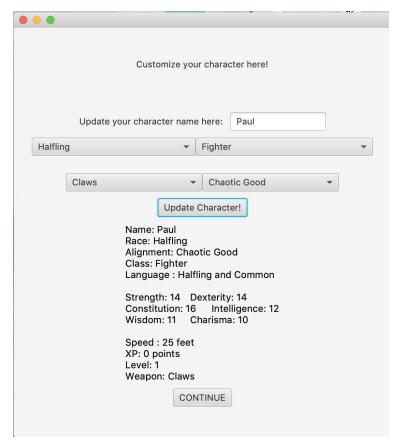
• Showing Initial Character Customization



■ Initially, the character has the same name as the user and is a human. Given random ability scores, class, and alignment. Start off at Level 1 with 0 XP.

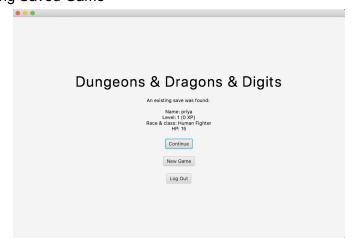


■ Upon changing race, new instance of character with that race is created which changes their language, alignment, speed etc.



- User can change the name of the character, their class, alignments, and weapon.
- This customization can occur during the game as well.
- Loading Saved Game

0



- Upon clicking continue, continues saved game
- Show Character and Saved Game for priya

```
ddd=# select * FROM "character" where game_id = 6;
id | game_id | character_name | level | xp | race | language | character_class | speed | hitpoints | strength | dexterity | constitution | intellig
ence | wisdom | charisma | active_weapon | healing_die | strength_modifier | dexterity_modifier | constitution_modifier | intelligence_modifier | wi
sdom_modifier | charisma_modifier
                                                                           | Fighter
                                                                                                                          15 |
                                     1 | 0 | Human | Common
                                                                                                                                                      15 |
           11
                      17 | Sword
                                                                                                                                                0 |
  12 |
                                                    10 |
            0
 17 |
                                     1 | 30 | Dwarf | Dwarfish and Common | Wizard
                pripri
                                                                                             | 25 |
                                                                                                               20 |
                                                                                                                         16 |
                                                                                                                                      16 |
                                                                                                                                                      15 |
           7
-2
 12 |
                      12 | Wand
                                                    10 |
                                                                                                                                                0 |
           6 | p
                                                                                                               15 |
 16 |
                                     1 | 0 | Dwarf | Dwarfish and Common | Rogue
                                                                                             | 25 |
                                                                                                                         14 |
                                                                                                                                      12 |
                                                                                                                                                     18 |
           11
                      12 | Bow
                                                                                                                                                1 |
  14 |
                                                    10 |
            0
(3 rows)
ddd=#
```



Showing that you cannot create a profile for an existing login



Showing that you cannot sign in with an incorrect password



Showing Standard Event Example

You've begun to lose track of how long you've been walking, but soon you come across a quiet pond surrounded by clumps of weeds and clusters of small, magenta spotted mushrooms. There's a strange thickness in the air, almost sickly sweet.

You feel uneasy, the way you feel when you lay a hand upon an ache, a cut, a burn. That fleeting sense of uncertainty, that slightest wobble in the pillars that uphold your faith, that 'what if' what if this, finally, is too much for you?

You don't feel unsafe here, only...cautious.

o If you choose drink from pond...

You walk up to the pond and kneel by its side. The water looks clean, clean enough that you can see all the way through to the stone-strewn bottom of the pond, but strangely you can't see your reflection on the surface.

Carefully, you bend down, dip cupped hands into the water, and drink.

The water tastes good at first, but after a few seconds, you realize that it leaves amore noticeable, metallic tang in the back of your mouth.

You stand back up - then wince as your stomach suddenly cinches. The pain is quickly gone; it's as if someone pinched your side. You don't notice anything else... (For now?)

Continue

You should probably move on.

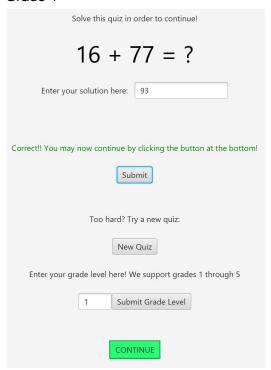
You took 2 damage!

С

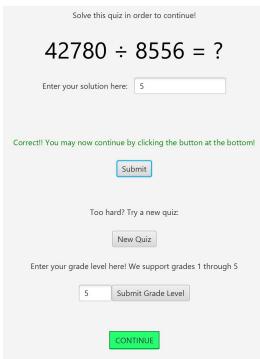
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Showing Random Math Quiz Example

Grade 1



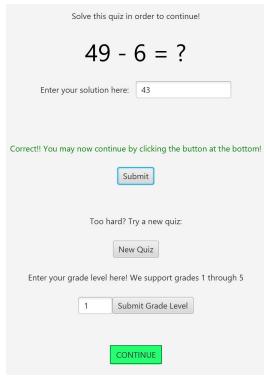
Grade 5



Failing quiz - continue button invisible; message indicates solution is incorrect

Solve this quiz in order to continue!
49 - 6 = ?
Enter your solution here: 42
Sorry, but that is incorrect. Please try again.
Too hard? Try a new quiz:
New Quiz
Enter your grade level here! We support grades 1 through 5
1 Submit Grade Level

Successful Quiz - continue button appears; message indicates solution is correct



• Showing generation of multiple random guizzes (printed to the console)

```
Grade level = 1 | 2 + 3 = 5
Grade level = 2 \mid 65 + 719 = 784
Grade level = 3 | 43 / 43 = 1
Grade level = 4 | 951 / 951 = 1
Grade level = 5 | 3588 * 353 = 1266564
Grade level = 1 | 99 - 3 = 96
Grade level = 2 \mid 643 - 12 = 631
Grade level = 3 \mid 88 / 4 = 22
Grade level = 4 | 13 * 86 = 1118
Grade level = 5 \mid 66339 \mid 273 = 243
Grade level = 1 \mid 96 + 7 = 103
Grade level = 2 | 3549 + 9587 = 13136
Grade level = 3 | 6 / 6 = 1
Grade level = 4 | 440 / 110 = 4
Grade level = 5 | 617 / 196 = 3 R 29
Grade level = 1 \mid 20 + 30 = 50
Grade level = 2 | 418 + 9238 = 9656
Grade level = 3 | 9 * 9 = 81
Grade level = 4 | 5950 / 50 = 119
Grade level = 5 \mid 3078 / 400 = 7 R 278
Grade level = 1 | 6 - 3 = 3
Grade level = 2 | 218 - 57 = 161
Grade level = 3 | 6 * 3 = 18
Grade level = 4 \mid 59 * 31 = 1829
Grade level = 5 \mid 611 \mid 536 = 1 \mid 75
```

Difficulty progresses as expected with grade level

Dice Rolling:

```
Rolling a 6-sided die: 6

Rolling a 20-sided die: 9

Rolling a 10-sided die 3 times and summing all the rolls: 10

Rolling a 20-sided die 10 times: [2, 9, 3, 8, 15, 16, 2, 17, 9, 19]

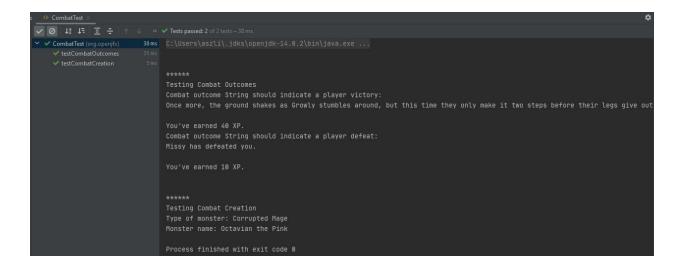
Rolling a 20-sided die with a minimum value of 15: 15

Rolling a 20-sided die with a minimum value of 15 (10 times): [17, 17, 16, 16, 15, 17, 20, 17, 20, 17]
```

All values fall within expected ranges

Testing combat

Combat creation and accurate outcome (JUnit):



Manual Combat testing:

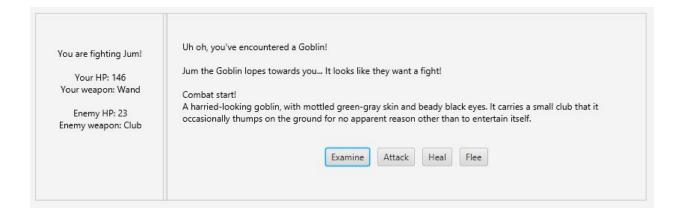
 Making sure Combat occurs as one of the random events when choosing "venture" from the Game screen:



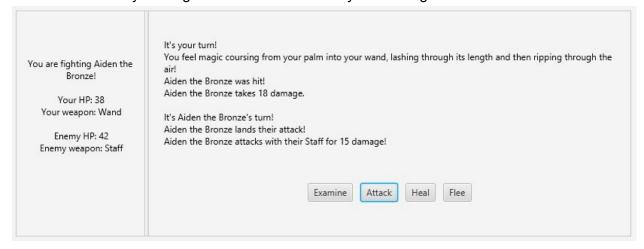
• Making sure Combat occurs when choosing "pick a fight" from the Game screen:



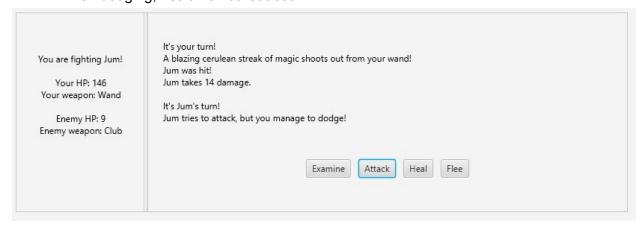
• Choosing "Examine" displays the Monster's unique description only once:



- Choosing attack prints a description of the player and enemy turn.
- Successfully landing an attack reduces HP by the damage dealt:



• When dodging, health is not reduced:



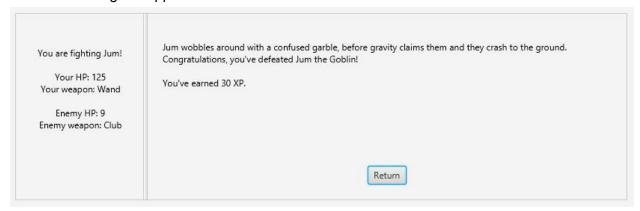
 Healing is allowed every 4 turns. When selected, the player regains the indicated amount of HP:



• Player must wait until cooldown is over to heal again and instead choose a different action:

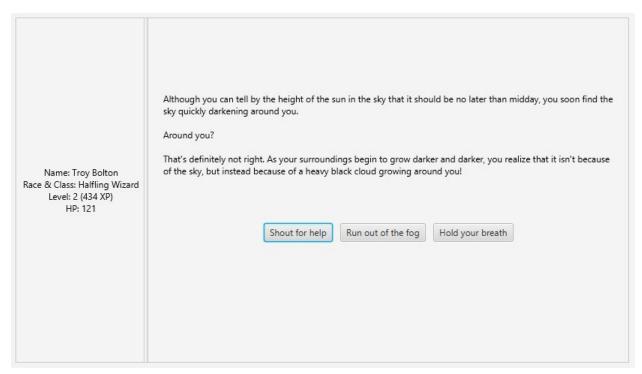


Reducing the opponent to 0 HP first wins the combat:

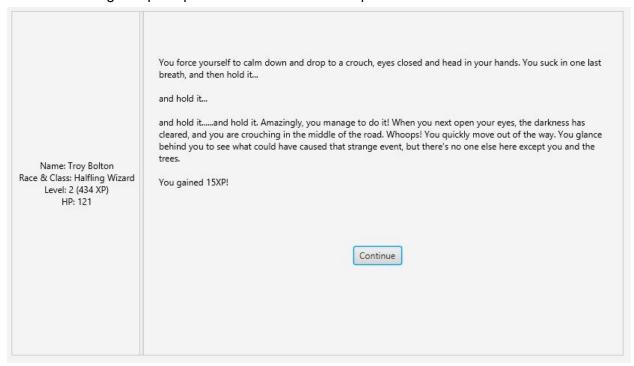


Manual standard event testing:

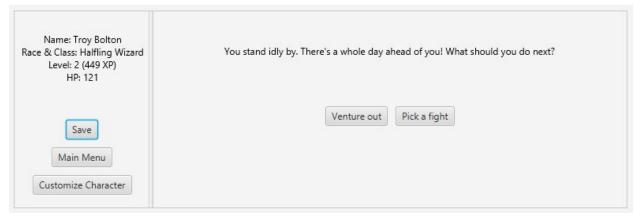
• Choosing to "venture" can produce a standard event with its unique 3 choices:



• Choosing an option prints the outcome of that option:



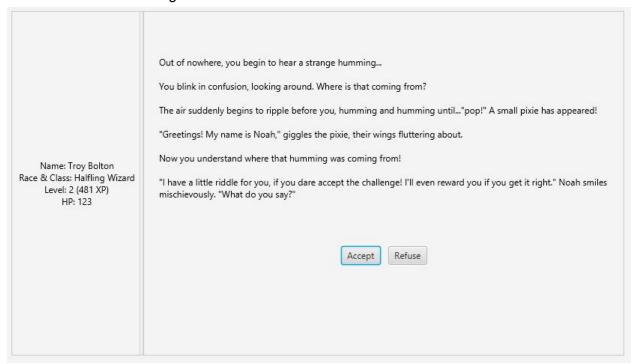
• Reward/consequence is given to the player:



(434 XP -> 449 XP)

Manual quiz event testing:

• Choosing "venture" can produce a quiz event where the player can choose to accept or refuse the challenge:



Accepting the challenge shows the generated Math Quiz:

Solve this quiz in order to continue!
12 + 12 = ?
Enter your solution here:
Submit
Too hard? Try a new quiz:
New Quiz
Enter your grade level here! We support grades 1 through 5
Submit Grade Level

• Successfully solving the problem rewards the player:

