

dndsip.ga Final Presentation

dndsip.ga
December 2

dndsip.ga:

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- Jensen Li
- Allan Wong
- Viren Singh
- Robert “Connor” Sanders

Project Motivation

- Dungeons and Dragons character sheets are easier to manage electronically.
- Existing online character sheets are often inadequate or difficult to use.

Project Goals

- Create a simple, intuitive, and paperless character sheet.
- Create a dice roller to eliminate the other physical component required to play D&D.
- Create general purpose tools for Dungeon Masters to use.

Goals Achieved

- Create a simple, intuitive, and paperless character sheet.
- Create a dice roller to eliminate the other physical component required to play D&D.
- Create general purpose tools for Dungeon Masters to use.

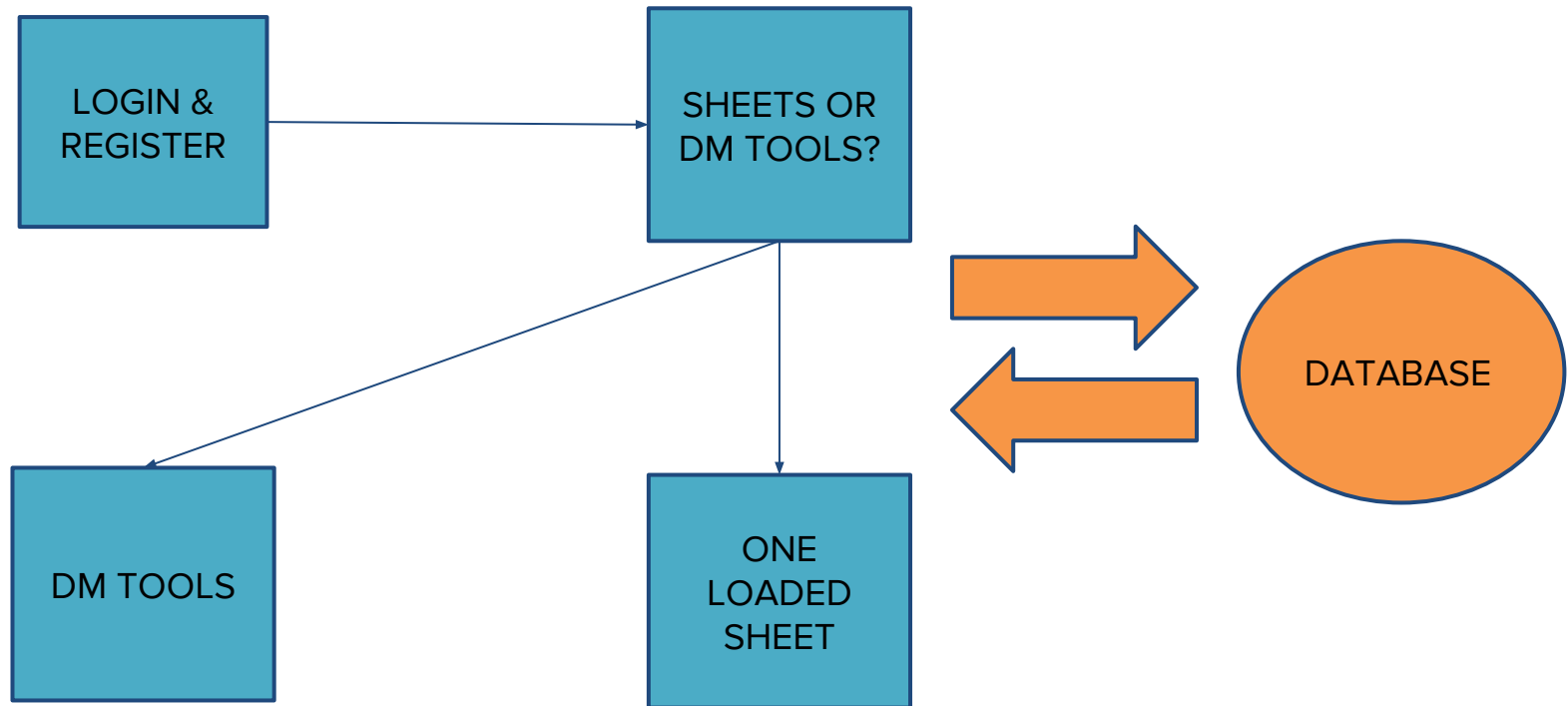
Greatest Challenges

- Creating and managing a database for multiple users to store a relatively large amount of data.
- Creating clean PHP to save and load all of the data.
- Having multiple users work on a massive document at the same time without git issues.

Greatest Accomplishments

- Creating and managing a database for multiple users to store a relatively large amount of data.
- Creating clean PHP to save and load all of the data.
- Creating a simple and clean user interface.

Website Design



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Register Page

Passwords do not match. Please try again.

Username:

Password:

Confirm Password:

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Login/Home Page

Invalid username or password.

Username:

Password:

[Sign-up for an account](#)

Character Selection Page

[Logout](#)

Characters:

Level: 8	Name: Rain	Race: Elf	Class: Barbarian	>
Level: 20	Name: Richard	Race: Dwarf	Class: Wizard	>
Level: 12	Name: Snowy	Race: Goblin	Class: Fighter	>

Create Character

DM Tools

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Character Sheet

Save

Characters

Logout

Player Name: Richard

Character Name: Richard

Class: Wizard

Level: 20

Race: Dwarf

Alignment: Neutral Good

Experience Points: 400000

Strength

12

1

Dexterity

13

1

Constitution

12

1

Intelligence

22

6

Wisdom

16

3

Charisma

18

4

☒ Inspiration

6 Proficiency Bonus

Saving Throws

☐ 1 Strength

☐ 1 Dexterity

☐ 1 Constitution

☒ 12 Intelligence

☒ 9 Wisdom

☐ 4 Charisma

Skills

☐ Manual Entry

☐ 1 Acrobatics

☒ 12 Arcana

☐ 4 Deception

☐ 3 Insight

☒ 12 Investigation

☐ 6 Nature

☒ 10 Performance

☐ 6 Religion

☐ 1 Stealth

☐ 3 Animal Handling

☐ 1 Athletics

☒ 12 History

☐ 4 Intimidation

☐ 3 Medicine

☐ 3 Perception

☐ 4 Persuasion

☐ 1 Sleight of Hand

☐ 3 Survival

13 Passive Wisdom (Perception)

Other Proficiencies & Languages

Proficiencies:
-Teaching
-Singing
-Comedy
Languages:
-Computer

11

+1

Initiative

25

Speed

Hp: 100 / 100

Temp Hp: 15

Hit Dice: 10 d6 / 20 d6

Successes

Failures

Spell Slots

1st

2nd

3rd

4th

5th

6th

7th

8th

9th

4 / 4

3 / 3

3 / 3

3 / 3

3 / 3

2 / 2

2 / 2

1 / 1

1 / 1

Name

Atk Bonus

Damage/Type

Kitchen Knife

+6

1d4 + 1

T Square

+6

1d6 + 1

Add Weapon

Delete Weapon

Spell

Lvl

Description

Create Powerpoint

4

Of the highest quality.

Curve Class

9

Show mercy.

Add Spell

Delete Spell

Traits

-Dedicated
-Ambitious

Ideals

-World peace
-Friendship

Bonds

-UC Santa Cruz

Flaws

[REDACTED]

Features & Traits

Awaken Class (Once per short rest):
-Richard delivers a resounding greeting following a brief history lesson on a song played from Spotify.
Deny Phone call (Once per short rest):
-Richard is cursed to always receive at least one phone call per lecture. By using his magical talents to interact with technology, he declines the call.
Positive Outlook:
-Richard always sees the best in people, and he refuses to allow anyone to feel bad about themselves. His primary interest in the happiness of others.

Inventory

1,000

#

Item

1

Laptop

1

Pair of Glasses

150

Test 3 Papers

15

Healthy Snacks

+

-

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DM Tools

Save Characters Logout

DM Tools

Turn Tracker

Next Turn >

Current Turn:

White Dragon (Lair Action)	20	-
Next Turn:		
Polylibri	18	-
Ice Creeper	17	-
Nova Barrows	14	-
Dais	12	-
Elise	8	-
White Dragon	1	-

White Dragon (Lair Action) 20 ☐ Enemy?

B

/

“ ”

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👁️

You can create bullet points:
* Here is a bullet point.
* Here is another bullet point.

You can create numbered lists:
1. Here is a numbered item.
2. **Here is another, except it is italicized.**

You can even add an image! ****Go play Vainglory, :)****

lines: 18 words: 56 10:4

DM Tools (Part Two)

Save

Characters

Logout

DM Tools

Turn Tracker

Next Turn >

Current Turn:		
White Dragon (Lair Action)	20	<div></div>
Next Turn:		
Polylibri	18	<div></div>
Ice Creeper	17	<div></div>
Nova Barrows	14	<div></div>
Dais	12	<div></div>
Elise	8	<div></div>
White Dragon	1	<div></div>

White Dragon (Lair Action)

20

Enemy? ☒

Add

B

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lines: 18

words: 56

8/0

Technologies Used and Their Purpose

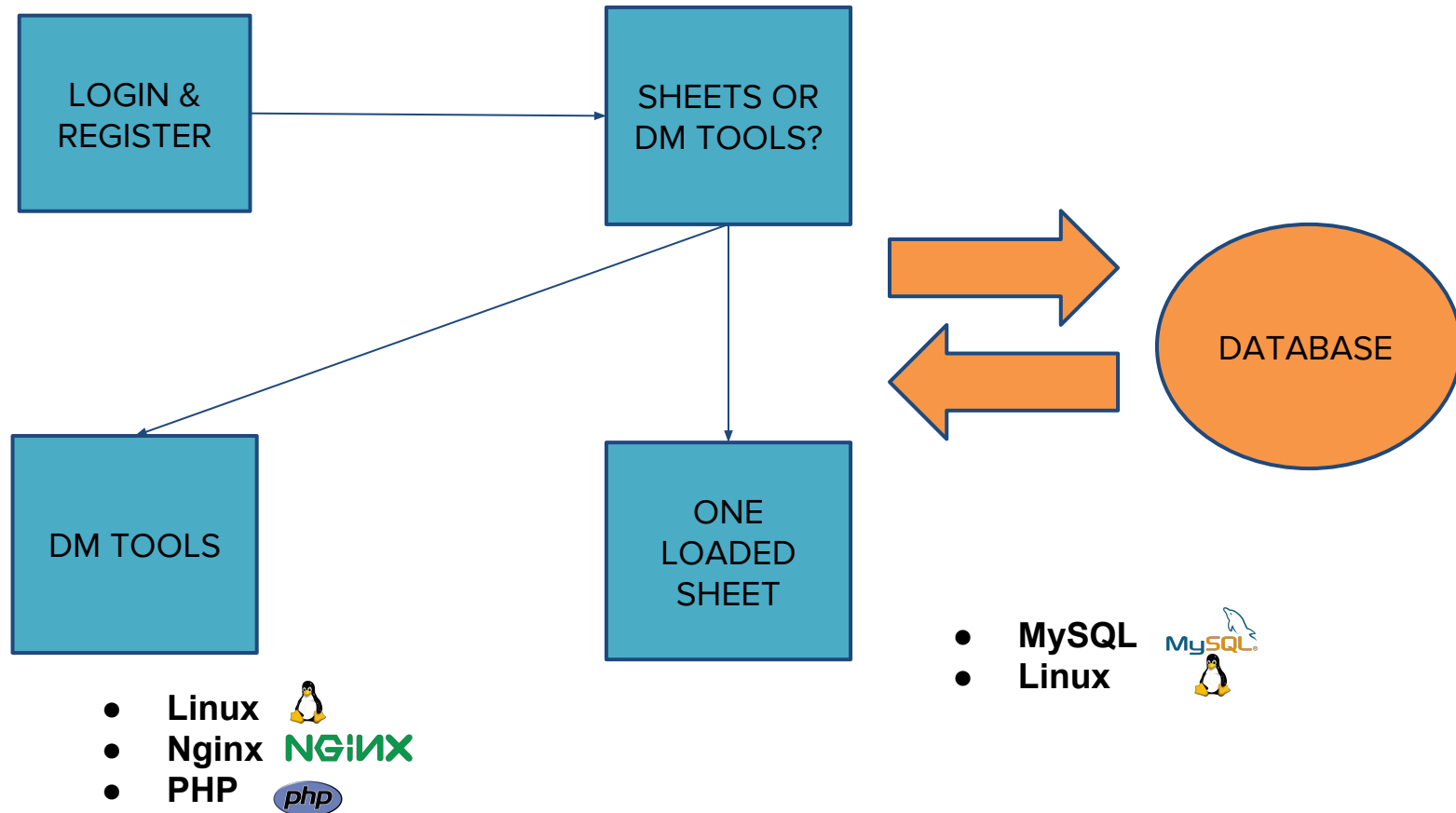
LEMP Stack:

- (L)inux OS
- Nginx [(E)ngine-X]
- (M)ySQL
- (P)HP

Other:

- GitHub
- Trello
- Selenium

Technologies Used



Project Management Techniques

- Scrum Methodology
- Trello
- Discord
- Peer Review
- Automated Testing with Selenium

Things We Enjoyed

- Creating a simple, intuitive, and paperless character sheet
- Learning new technologies
- Scrum methodology
- Team cooperation
- Using GitHub for version control

Things We Didn't Enjoy

- Git merge conflicts
- Filling out Sprint Reports
- Filling out TSR's (we never got to see them)

What Worked Well

- Maintaining git cleanliness with branches
- Discussing the design and implementation of various features
- Communicating well with each other and giving updates on our progress frequently

What Didn't Work Well

- Failing to communicate the design and implementation of certain features
- Adding external stylesheets without informing team
- Causing git merge conflicts
- Not updating the Trello board

Things We Wished We Had Done

- Implementing automated testing earlier
- Using Node.js / MongoDB instead of PHP / MySQL

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Questions

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Logout

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Failures ☐☐☐

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1st

4 / 4

2nd

3 / 3

3rd

3 / 3

4th

3 / 3

5th

3 / 3

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