## DM Tools: An Interactive Dungeons and Dragons Framework for Dungeon Masters

Nimble Escape. The goblin can take the Disengage of

Scimitar. Melee Weapon Attack: +4 to hit, reach 5 ft., one

**Shortbow.** Ranged Weapon Attack: +4 to hit, range 80/320

Hide action as a bonus action on each of its turns

target. *Hit:* 5 (1d6 + 2) slashing d<mark>a</mark>mage.

ft., one target. Hit: 5 (1d6 + 2) piercing damage.



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#### **ABSTRACT**

Dungeons and Dragons (D&D) has maintained a vibrant community of enthusiasts for over 45 years, but many aspects of the gameplay are hindered by dependence on traditional pen and paper usage. The goal of our DM Tools product is to enhance the experience of inperson D&D games by providing a centralized means for the Dungeon Master (DM) to generate, organize, and manage the complex interactions of details needed for gameplay. Our tool's focus on improving DMs' performances complements other electronic applications focused on enhancing the players' experiences, such as Roll20, and providing DMs a database, like D&D Beyond does.

#### MOTIVATION AND BUSINESS IMPACT Things the narrator keeps track of: Where are the characters? • How healthy are the characters? What can/would each of the characters do? ACOLYTE Languages Common, Goblin GOBLIN Medium humanoid (any race), any alignment Challenge 1/4 (50 XP) How can each of the characters Small humanoid (goblinoid), neutral evil Spellcasting. The acolyte is a 1st-level spellcaster. Its spellcasting ability is Wisdom (spell save DC 12, +4 to Armor Class 10

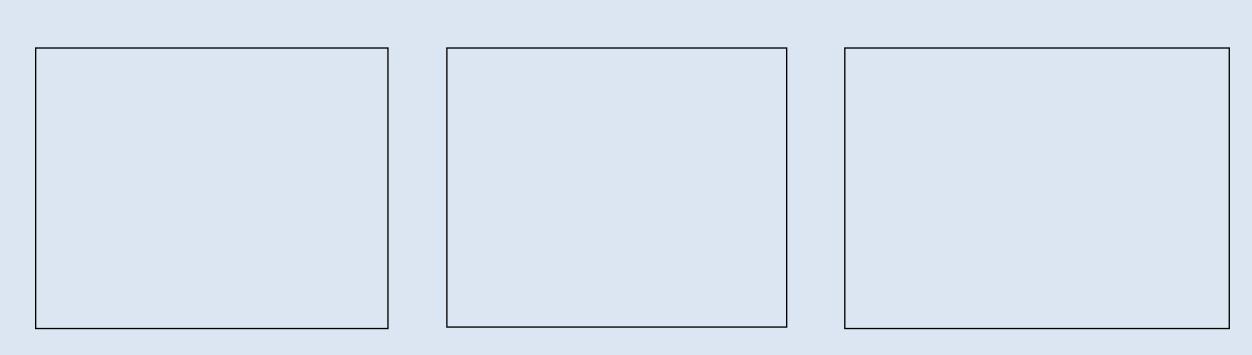
Our Goal: Providing a centralized means of organizing and generating details for playing through encounters inside a campaign

What does the character have

with them and why?

do this?

#### VISION AND PRODUCT OVERVIEW



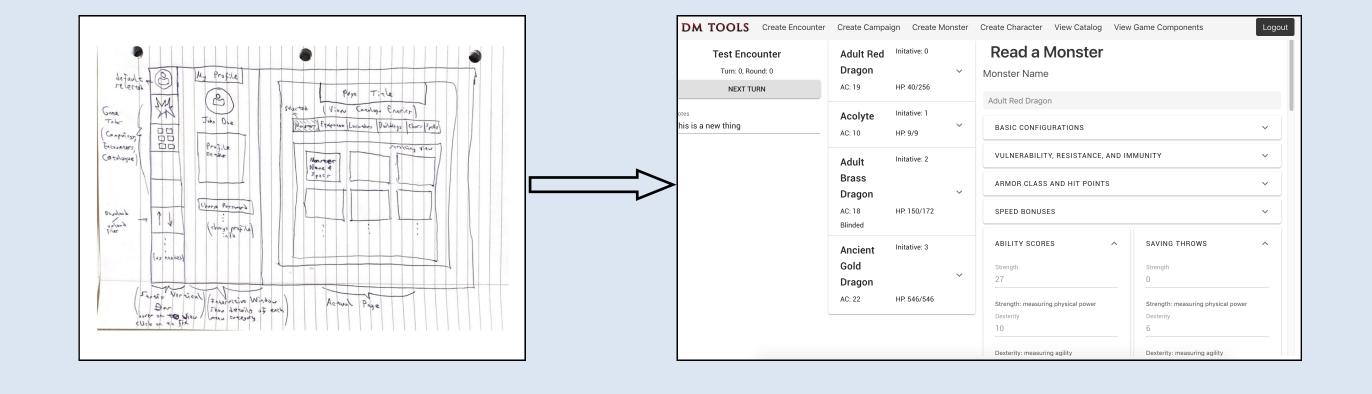
. All the amazing things we have achieved from the product perspective. This is where we sell ourselves. I'm not sure where to put the logo yet.

#### SOFTWARE DESIGN AND APPLICATION

The software requirements have been gathered by working closely with the Product Owner.

Hit Points 9 (2d8)

. Agile methodologies are utilized to assure software integrity and maximize customer satisfaction.



#### QUALITY ASSURANCE AND TESTING

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#### TECHNOLOGIES USED

### Electron Store React React Dev Tools Electron Webpack, Electron Store, React

**Frontend Development** 

Electron Webpack, Electron Store, React, React Dev Tools, and React Router

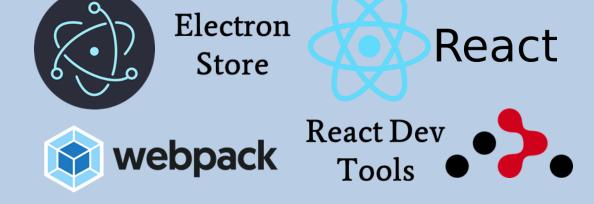
# CSS / User Interface Rulma Rlaamar and

Bulma, Bloomer, and Material UI

hit with spell attacks). The acolyte has following cleric

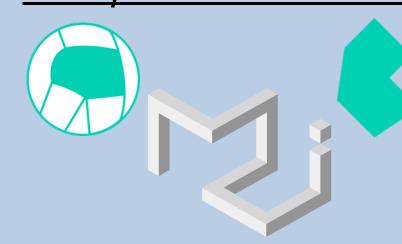
Club. Melee Weapon Attack: +2 to hit, reach 5 ft., one

#### **Frontend Development**



Electron Webpack, Electron Store, React, React Dev Tools, and React Router

#### CSS / User Interface



Bulma, Bloomer, and Material UI

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3 slides as 3 rows.