

D&D Forge



User Document

CMPS 115

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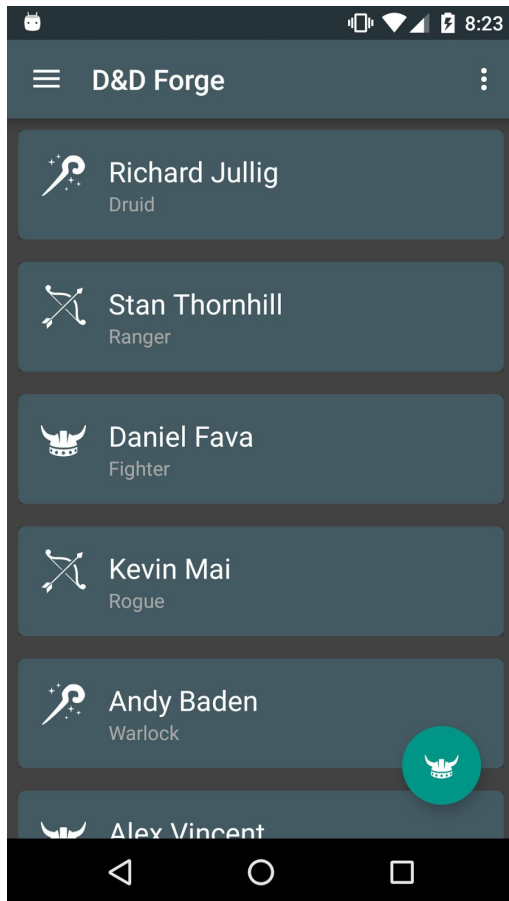
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Overview

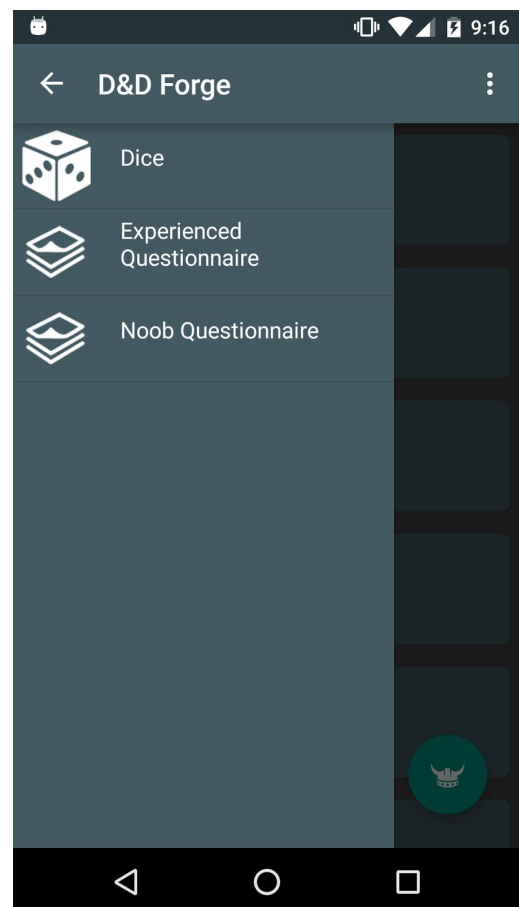
D&D Forge is an easy to use mobile character builder for 5th edition Dungeons and Dragons on android devices. This application will streamline the lengthy character creation process for experienced players, and provide an intuitive approach for new players.

Main Menu



When the user starts up the app. They will see all previous characters they have created. These characters are represented by a card with the name of the character, their class, and class emblem. Tapping on one of these cards will bring up that characters character sheet.

The Helmet Circle on the bottom right of the screen will launch a custom character builder which will ask for values to be put directly into the various fields (more on this later).

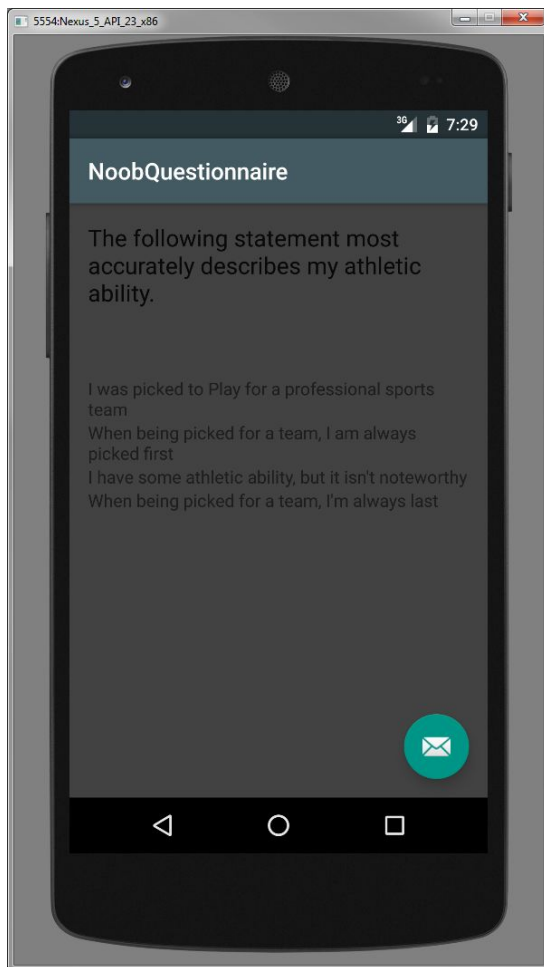


If the user swipes inward from the left, or tapping the menu symbol in the top left a pull out menu will appear. This menu will let the player select the Dice roller tool, the Experienced Player Questionnaire or the Noob Questionnaire.

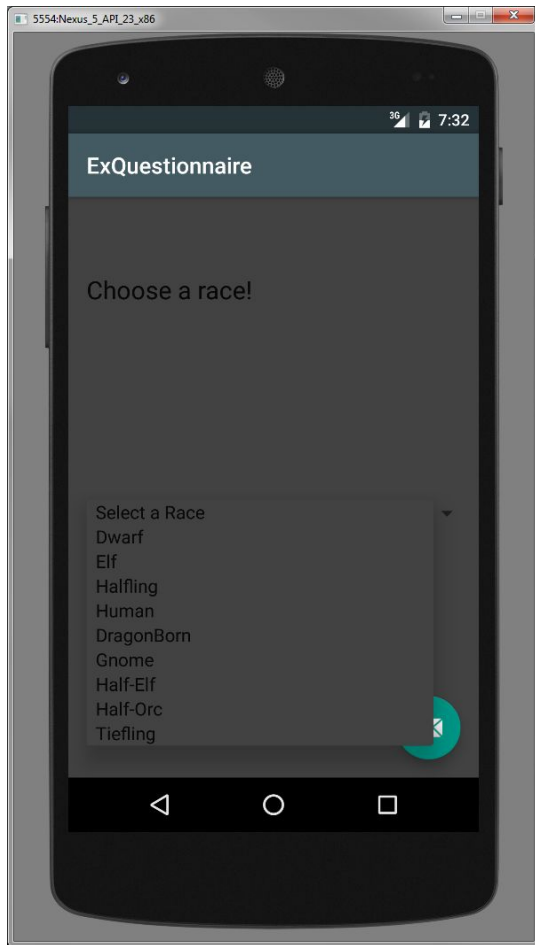
Character Generation

D&D Forge offers two different approaches to character creation. For a new player, the inexperienced character questionnaire can ease them into the process, by asking questions akin to a personality quiz. For more seasoned players the experienced player questionnaire will ask them game related questions directly. Both approaches will return several character options from which they can choose. There is also a custom character option for Game Master use for creating non player characters with non traditional statistics.

The Inexperienced Questionnaire



The inexperienced player questionnaire is formatted as abstracted questions. Each answer is weighted towards a particular class or ability. At the end of the quiz the results are tallied and presented to the player as several character options. This approach does not require the player to be familiar with the game and the character they are suggested to play as will help provide them with an enjoyable experience and a adventuring role they can find a place in.



Experienced Questionnaire

The experienced player questionnaire will ask the player directly what Race, Class and background they would like to play as. They can also manually assign their ability scores.

Character Creator

The character creator will generate the character card on the main page. The user should can use their results from the character questionnaires, as well as the dice roller to generate stats.

Mobile Character Sheet

The character sheet is split up into multiple pages to help condense it into a format that will work well on a mobile device. Swiping left or right will bring you to the next page of the sheet.

The Statistics Page

The Statistics page shows core attributes and defenses. The user can add and subtract Hit Points, Temporary Hit Points, and Hit dice. All stats are calculated on the creation of the character automatically.

A screenshot of the 'Statistics' page from a mobile application. The page has a dark grey background with white text. At the top right, there's a status bar showing a battery icon, signal strength, and the time 8:23. The main content is organized into two columns. The left column lists attributes: Strength (+6), Constitution (+2), Dexterity (+14), Intelligence (+15), and Wisdom (+10). Each attribute has a small icon (a red square for Strength, a blue square for Constitution, a green square for Dexterity, a blue square for Intelligence, and a blue square for Wisdom) and a 'Save' button. The right column shows calculated values: Proficiency Bonus (18), Initiative (42), Armor Class (24), Speed (46), Passive (22), Hit Dice (33D35), Hit Points (37/37), and Temporary HP (22). There are also buttons to add and subtract values for Hit Dice, Hit Points, and Temporary HP. At the bottom, there's a navigation bar with three icons: a back arrow, a circle, and a square.

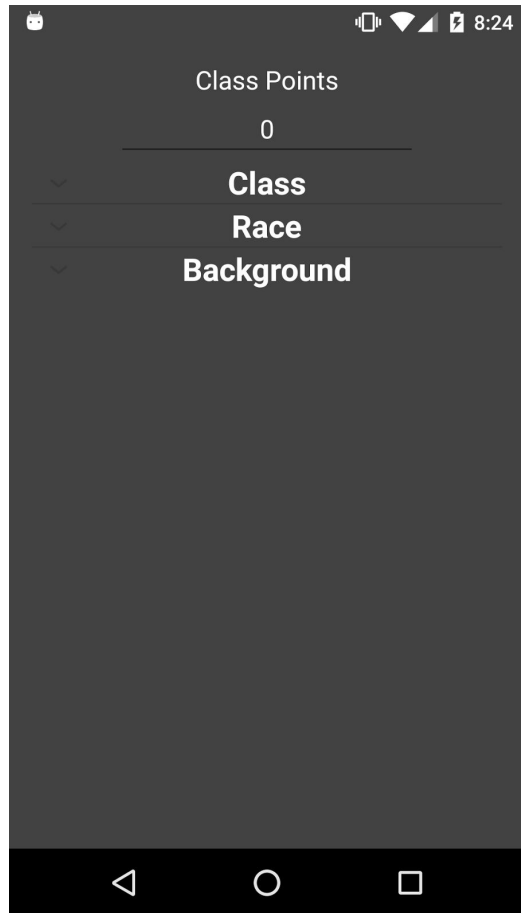
Attribute	Bonus	Base Value	Calculated Value
Strength	+6	12	18
Constitution	+2	12	14
Dexterity	+14	32	46
Intelligence	+15	27	42
Wisdom	+10	14	24

The Skills Page

Swiping right of stats page will bring you to the skills page have the skills page. Skill bonuses are listed on the left hand side, the Skill name in the middle and the skill's key attribute on the right. This page is scrollable to show all skills.

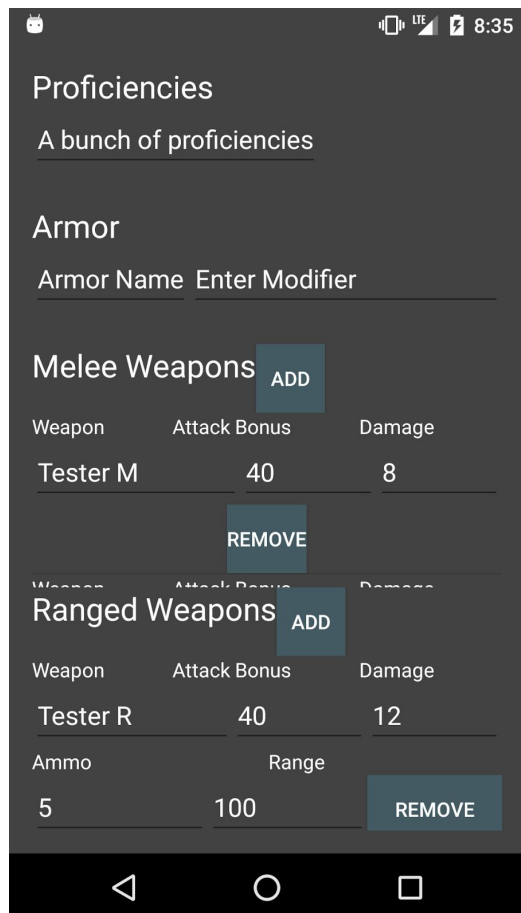
A screenshot of the 'Skills' page from a mobile application. The page has a dark grey background with white text. At the top right, there's a status bar showing a battery icon, signal strength, and the time 8:23. The main content is a list of skills. Each skill entry consists of a bonus value on the left, the skill name in the middle, and the key attribute on the right. The skills listed are: Athletics (+6, Strength), Acrobatics (+32, Dexterity), Sleight of Hand (+14, Dexterity), Stealth (+32, Dexterity), Arcana (+15, Intelligence), History (+33, Intelligence), Investigation (+15, Intelligence), Nature (+33, Intelligence), and Religion (+15, Intelligence). At the bottom, there's a navigation bar with three icons: a back arrow, a circle, and a square.

Bonus	Skill Name	Key Attribute
+6	Athletics	Strength
+32	Acrobatics	Dexterity
+14	Sleight of Hand	Dexterity
+32	Stealth	Dexterity
+15	Arcana	Intelligence
+33	History	Intelligence
+15	Investigation	Intelligence
+33	Nature	Intelligence
+15	Religion	Intelligence



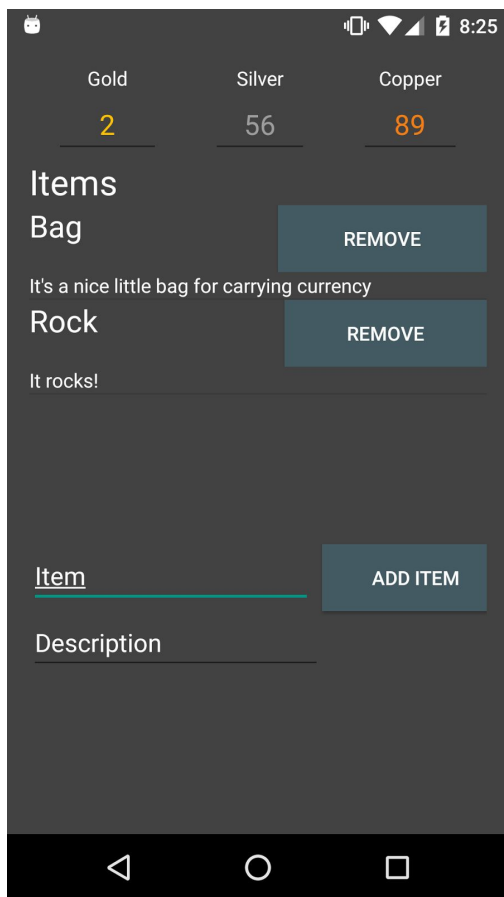
The Abilities Page

The Abilities page shows the various abilities your character gets from their class, race and background. These are expandable lists which can be collapsed for space. There is also a Class Point counter for Barbarians, Monks and Sorcerers who use point to augment their existing powers.



The Proficiencies Page

The Weapons and Proficiencies page shows what types of equipment your character can use, followed by armor and weapons stat blocks that you can create for your character.

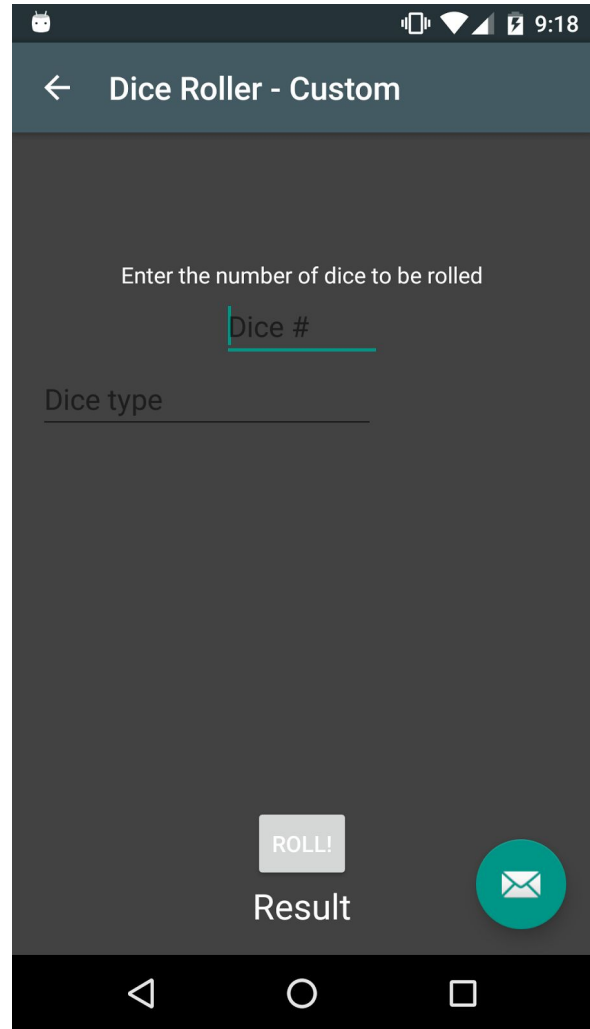
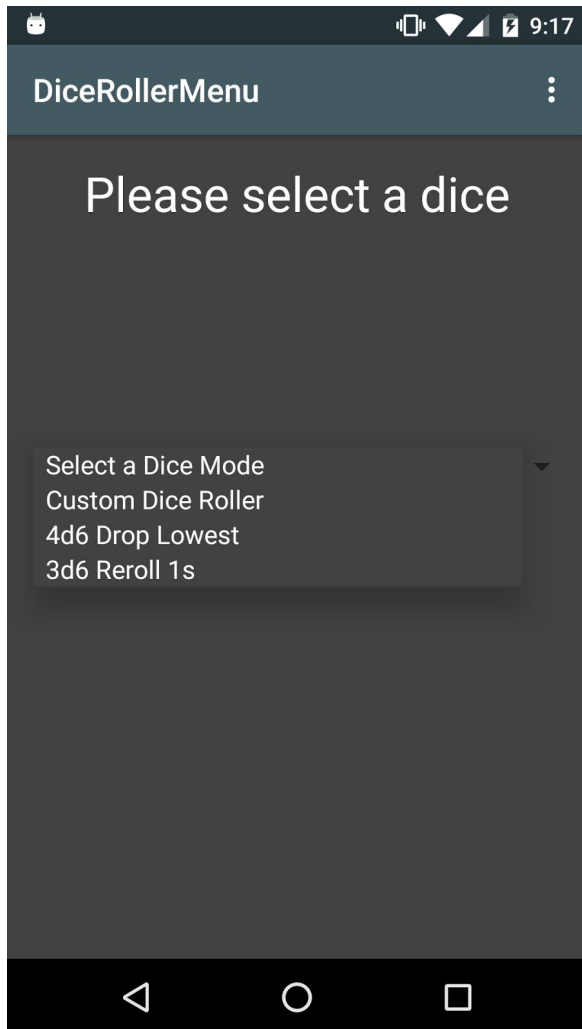


The Inventory Page

The Inventory page keeps track of your currency, as well as the items you are carrying. Players can add and remove items from this list at any time, giving each item a name and description.

Extras

D&D Forge also includes a dice roller tool. The dice roller can be used to roll any number of dice of any type, as well as custom die configurations for rolling character stats. This roller can come in handy if an unreasonably large number of dice (20d6).



Hardware/Software

D&D Forge is build for Android Phones and was made using Android Studio.

Target Device: Nexus 2

Software Version: Android 5.0 (lollipop)

Languages: Java, XML