Aim:

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**Our aim is to develop a new Alexa Skill to play games on the Amazon Echo using voice commands.** We had multiple ideas relating to the capabilities of the Amazon Echo and how we could introduce new functions (known as Alexa Skills) for the Echo as a platform. These concepts were pursued by us because we think there’s a lot of untapped potential between Alexa and gaming. Our ideas for functions include dice rolling, rock paper scissors, and text-based-adventure games. We also share a vision of revolutionising games and assistants like Alexa through our idea of a new platform.

Goals:

**To develop basic abilities like rock paper scissors and dice rolling for Amazon Echo**

We want to create functions for the Echo that seem simple but are a proving point for our project. Functions that allow the user to play rock paper scissors against Alexa and receive virtual dice rolls from Alexa are simple yet powerful, as they can be utilised in many different circumstances. In order to achieve this goal we must understand how to program the Amazon Echo. This is probably the simplest goal with the most priority.

**To create a new gaming platform**

We had the ambitious idea of setting precedent for games on the Amazon Echo. By extension we hope there is the possibility of facilitating an introduction for a new gaming platform using Alexa. There is much limit with how you can use Alexa, with the primary input only being voice, but great creativity can flourish within strong limitations. However, to fully realize this goal, we would need to spend a lot more time on it than simply a few weeks, so the other goals take priority.

**To assist those who play tabletop games**

One of the goals of our project is to simply aid in the activity of tabletop games. We want to provide a means to enhance the experience of these games for anyone with an Amazon Echo. It could open up new doors, as well as also helping to solve already existing problems relating to these games, such as missing dice. It would also help to make tabletop games far more accessible for people with certain disabilities.

**To make Alexa more than just a smart device platform**

If we achieve our ambitions then we could push the boundaries of what the Amazon Echo is seen as. Instead of being simply a digital assistant, we could put these concepts in motion, putting the Echo under a different scope and influencing people to think of what else could be done.