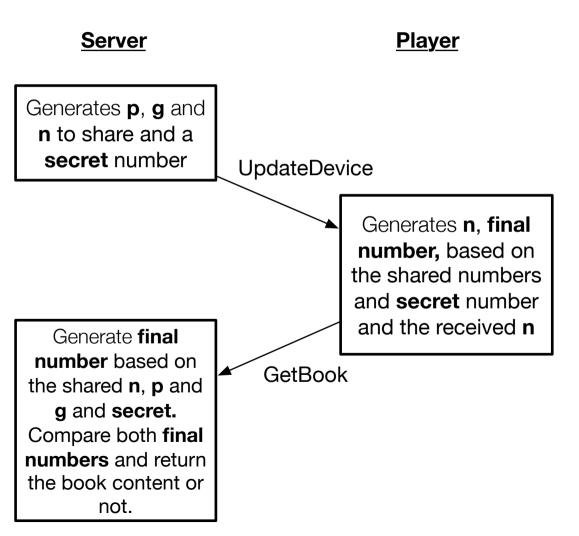# Diffie Hellman flow

p, g -> shared prime numbers

n -> number based on secret number to share

secret -> prime number generated to create the **n** to share

Server

Player

Generates **p**, **g** and **n** to share and a **secret** number

UpdateDevice

Generates **n**, **final number,** based on the shared numbers and **secret** number and the received **n**

Generate **final number** based on the shared **n**, **p** and **g** and **secret.** Compare both **final numbers** and return the book content or not.

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