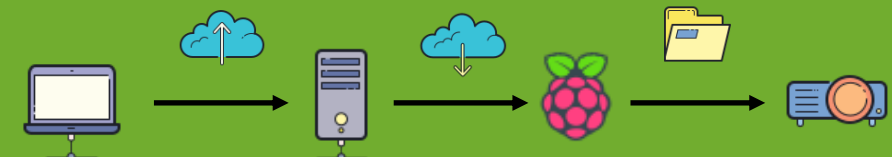# moot

The smart way to meet

File Uploading

- Users can upload files before a meeting and have them ready to use when they walk into the room.
- The Raspberry Pi downloads them from the Moot server before the meeting, and then deletes them afterwards to ensure privacy.

Preferences

- Moot ensures it suggests room that are convenient for users by taking it account their preferences, whether these be equipment in the room, temperature, or noise level.
- When searching for a room, preferences are used to generate a preference score, and the highest of these is chosen.
- If the suggested room is chosen by the user, their preference scores will receive a bump to reflect their choosing of this room, providing a more accurate representation of their
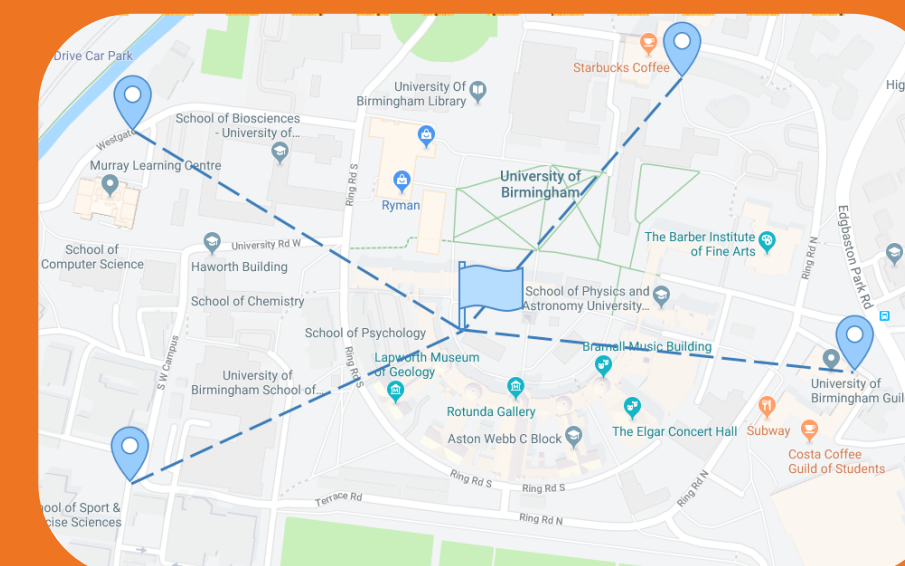
Easy Booking

- Booking a room is simple: select a group and Moot uses its scheduling feature to find a time when all members are available.
- Booking can be done via our smartphone app, ensuring users can manage bookings from anywhere.
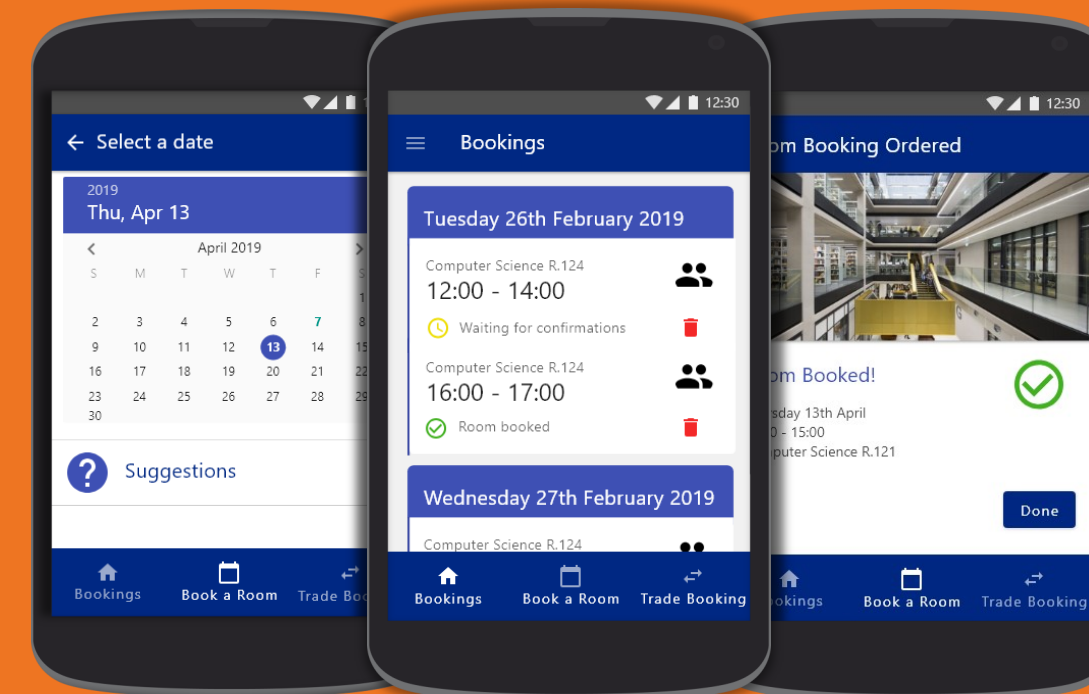
Convenient Locations

- Moot uses past GPS locations to estimate where users may be at the time of booking.
- The readings are processed to find a median location for the group.
- When checking rooms, distance is factored in the same as any other preference, resulting in nearby convenient rooms being suggested.

Simple Admin
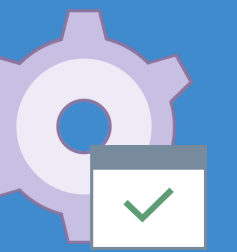
- Moot makes managing rooms easy. A calendar view makes it quick to see bookings and availability.
- Users can report faults in rooms, helping maintenance know which issues to fix.
- Statistics for rooms allow staff to discover which are the most popular rooms, and the demographics of users. This can help future planning and ongoing maintenance of rooms.

Audio Recording

- Rooms have the ability to record meetings using the Pi for playback later.
- Once a meeting starts, recording will commence, ending when the meeting ends. The recording is uploaded to the web server where it is privy only to those at the meeting.

Smart Room

1. WE WANT THAT ONE!
See a room you like? With a connected display set up outside the room, you can quickly find out if you can walk straight in, no booking needed!

2. HANG YOUR COATS UP
Our rooms are fitted with temperature monitoring hardware, so you can ensure your room is comfortable for that all important presentation.

3. NEVER REPEAT YOURSELF
Using a microphone setup, we determine how much noise a room experiences. If you're meeting with someone important, you can be sure they hear every word you say.

4. ACCESS GRANTED
Sometimes, you just can't bring everything to a meeting room. We'll let you know if WiFi is available so you don't have to worry about losing access to online resources.

5. IF YOU CAN'T DO THE TIME
We understand that sometimes, other things become priority. That's why our rooms use advanced sensors to help free themselves up. Less wasted resources, more productive meetings!

Built with Microservices

- Our architecture makes use of microservices to ensure Moot is reliable, available, and scalable.
- We build each one inside a Docker container, ensuring modularity.
- At the server's end, Moot uses Node.js and Python API Services.