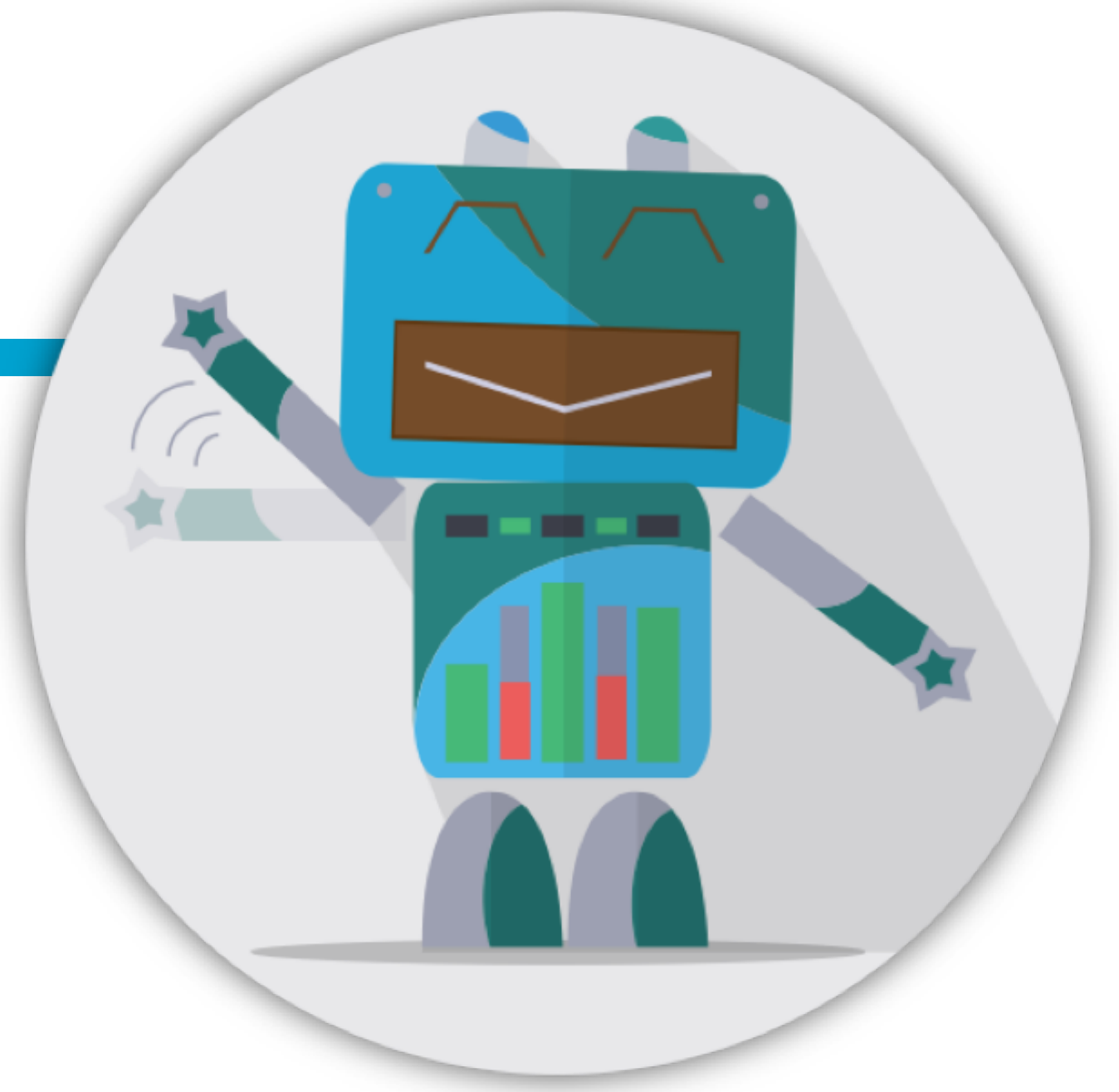


Autonomous Robotic Drink Machine

Team: Jared Echols Quinn Luck Braden Klunker Charlie Barber

www.ardmdrinks.com



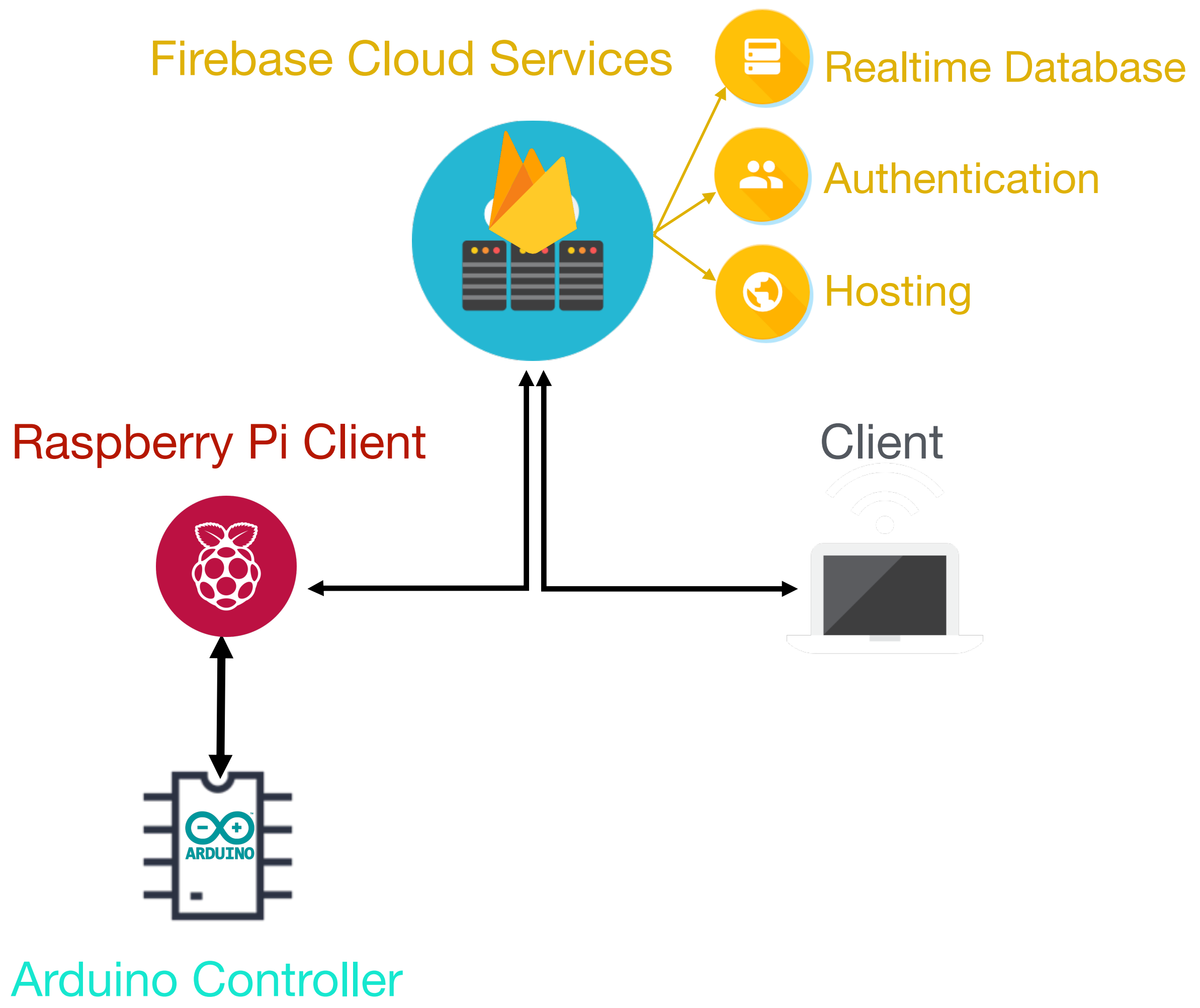
Abstract

The Autonomous Robotic Drink Maker (ARDM) makes life easier by automating the drink making process. It also keeps us at the forefront of new technologies. With robotics on the rise, automating daily tasks is essential to keeping us updated with the rest of the world. When we buy a drink at coffee shop or a bar, the ingredients can be inconsistent. Sometimes customers can feel cheated with watered down drinks or cups that were half filled. This is a problem for both customers and the businesses that serve them. For example, Starbucks was recently faced with a \$5M lawsuit over putting more ice in the cups than necessary.

FEATURES

- | | | |
|---|--|---|
| <p>Parties</p> <ul style="list-style-type: none"> - Join parties - Host parties | <p>Drink Management</p> <ul style="list-style-type: none"> - Drink Creation - Modify drinks - Star rating system | <p>Ingredient Management</p> <ul style="list-style-type: none"> - Monitor ingredient amounts - Add new ingredients |
| <p>Machine Status</p> <ul style="list-style-type: none"> - Know if your machine is connected! | | <p>Profile</p> <ul style="list-style-type: none"> - Profile management - Order history |

ARCHITECTURE



BUSINESS IMPACT

The ARDM combats issues such as the one at Starbucks by making drinks with the exact amount of ingredients. This means that customers know what to expect each time they order a drink from the ARDM. By making drinks using a series of dispensers and a hydraulic piston, the ARDM could potentially help to reduce lines in businesses and local parties/ events. With the ARDM, businesses or people hosting local events can now make drinks they don't know how to make.

TECHNOLOGIES

