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- RPi3 Elixir Nerves
  - ElixirALE - Stoplight and momentary switch
  - Elli - HTTP interface

- iPad

- iOS app responding to tap gestures

- Interaction
  - RPi3 is placed in “pairing” mode
  - iPad pairs with RPi3
  - iPad logs into the RPi3
  - iPad controls RPi3 stoplight via JSON API

# System Overview





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# RPi3 Application Structure