



## ImageGrabber

- handles the raw image
- produces a BufferedImage object
- passes it on

BufferedImage

# **ImageProcessor**

- consumes a BufferedImage
- analytically finds ball position, robot position and orientation
- passes the results on

StaticPitchInfo

## Bakery

- consumes a StaticPitchInfo
- analyses a history of SPIs and computes ball speed and direction, robot speed and direction
- passes the results on

DynamicPitchInfo

### **Planner**

- consumes a DynamicPitchInfo
- analyses a history of DPIs and decides what the robot should do next
- passes the results on

ComplexCommand

#### **PlanExecutor**

- consumes a ComplexCommand
- decides how to execute the command
- sends primitive commands to the Server

method invokations

#### Server

- sends primitive commands to Alfie
- recieves feedback from Alfie



