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# Oral assessment robot (OAR)

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#### **Class Diagram**

### customer

Customer name?

When did the customer come?

Service counter?

Constraints (Service done)

Register the (Name, Time, Counter)

### Evaluation for Administrator

Good or bad rating

Percentage of it

Service window grading from beast to worst

Best and worst times

A certain time has passed from work or a certain number of clients has passed

### Robot Tasks

Attract the customers attention

Save customer information

Question the customer and save the data

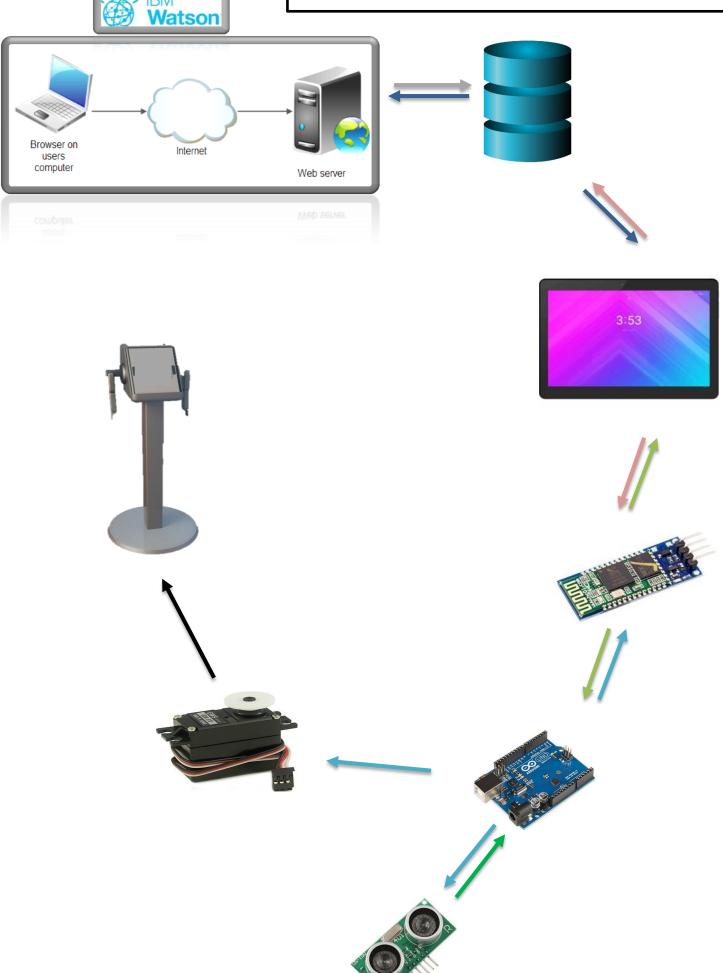
Some movements and show expressions for continuing to talk and interact

Customer come to evaluate

## **Component Diagram** Giving reaction via arduino and screen continuity information & 包 opinions Customer Save data in **Evaluation** memory coming **Demand** 包 **Show customers** knowledge **Show evaluation** results to administrator

### **Deployment diagram**





#### **State Machine Diagram** Bad review Showing a sad and sorry face then Lowering arms. Apologize to the customer and tell him that next time will be better. End Bad review Farewell Customer Evaluation come To be noticed Say goodbye to customer and moving Ask the customer Moving hand and the arm to bye. about the service greeting. and take notes. Tell him that you will know him next time. Administrator come Good review End Show results Good review Showing the customer evaluation Show happy face and move the to the administrator . arms up. Showing the happy face and raising Tell the customer that next time the arms for good evaluate. will be better. End showing the sad face and lowering arms for the bad evaluation . Information More information Show percentages for evaluation by window and time. Show customer suggestions .

### **Use Case Diagram**

