Name: NIUZAMMS L HHMED FA12-358-038 Row-5 SDA - Final lab Architecture of Home Automation Multilayer Architecture. Data Collection layer (DCL) DBs, user Devices, Sensor, Data Management layer (DML) Data Acquisition Control layer Context operations Aggregation, transformation, Filtering & Service Inference layer (SPL) Context Reasoning, Context Acquistion, Access Control Service Management layer. Data/service Management Device/sensor communication management, Reference: www. ijaca . thesalourg

MUZAMMIL FA22-138-038 (Row-5) SDA - Lab Pinal. Home Automation System. Architecture Block Diagram. [User (send commands)] Mobile Phone (to send utilize mobile phone to send command) Home , message (command is sendbysms) Relay GSM Module (receive sms and) process command from sms) I miero controlles (implements user commands

Class Diagram Security System: (C) user · userid & String · name : String · authenticate (): Boolean send command (devices security Device, command: String): Void Hub · hub Id: String · connect Device (device: Security Device): Boolean · relay Command (command: String, device : Security Device): void I send command @ Security Controller process Command (command & String) & votel connect Todevice (device: security Device): Bool trigger Alarm M. void (C) Motion osensor Id? String · detect Motton () Boolean lend Alex (): void Security Device · process Command (string C) Haun · Alaumedleon & Bod (Commad?) Boolea · ON/OFF Comera · Disam Alaum · open/close Door (isting (Flage Bool) Bool send Command (c) Camera · cam-id & string open we (command string

State Diagram:

