



Clinic Management System

- Mahmoud Ahmed
 - Seif Bassiouny
 - Ahmed Falah
 - Ahmed Ibrahim
 - Begad Elsamadesy
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About our project

A fully functional system to ease the management of a clinic with a STM32f401 programed microcontroller to do all the process **smoothly**.

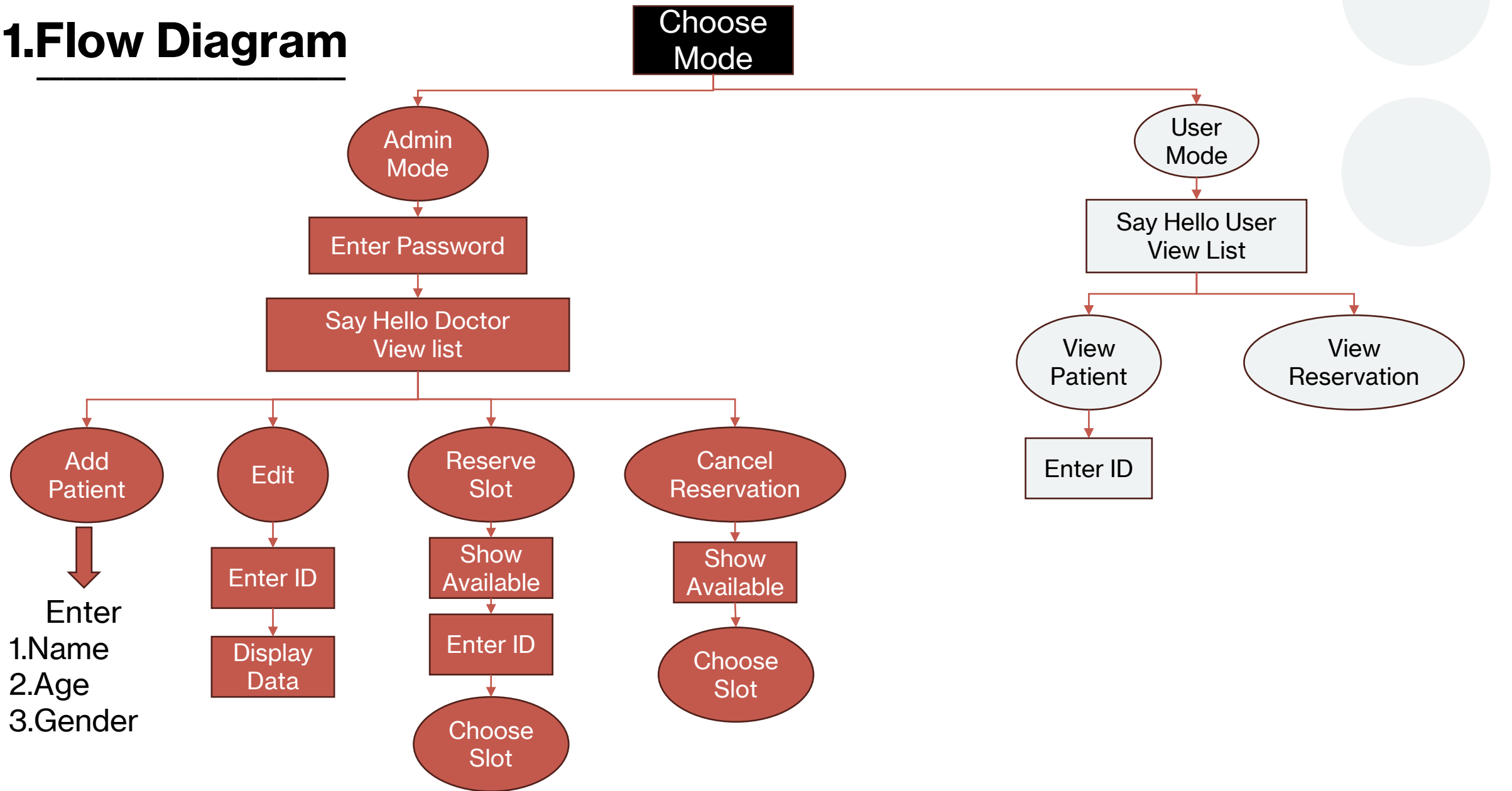
System Features:

1. Add patients' data to clinic's data base
 2. Edit any patient's data without complications
 3. Book a doctor visit at requires time slot
 4. Cancel any reservations at any time
 5. Patient can check his records
 6. Patient can check to see day's schedule to see if he can make a reservation
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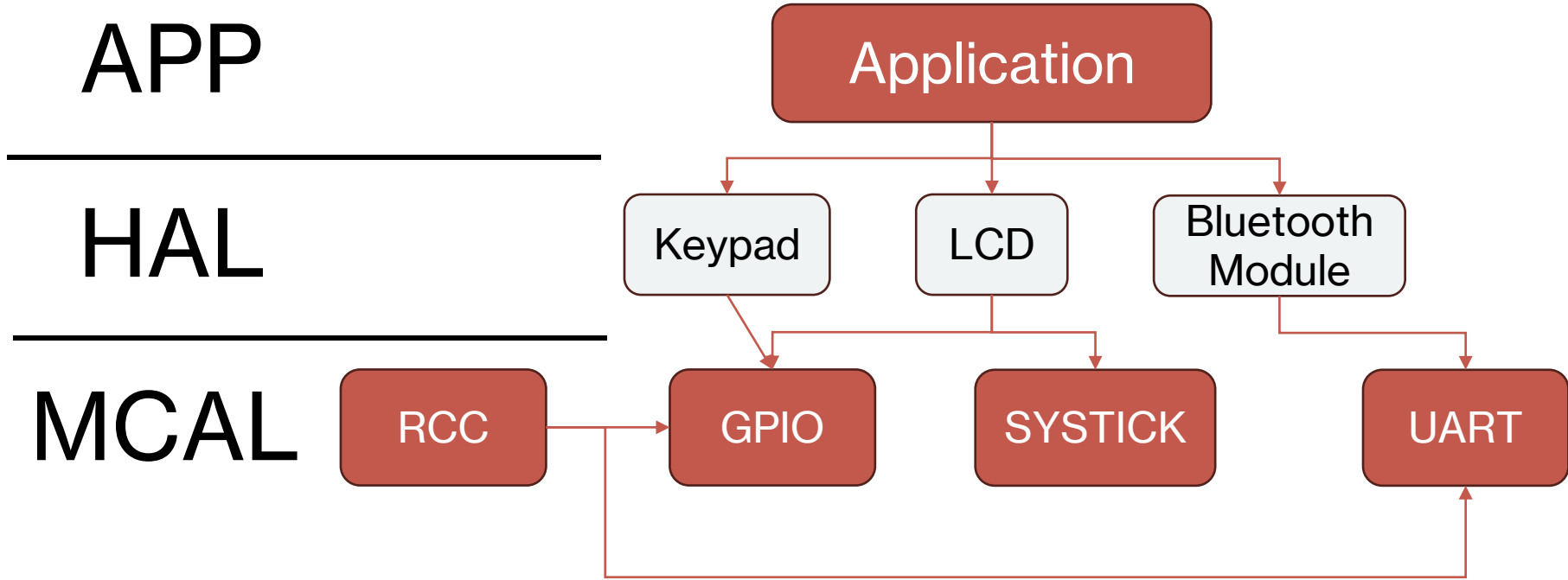
Project breakdown

1. Flow diagram
 2. Static Architecture
 3. MCAL Peripherals
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 5. Application breakdown
 - 5.1 Includes
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 - 5.3 Storage Management
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1.Flow Diagram



2.Static Architecture



5.Application Functions

```
void APP_voidInit(void);
```

```
// App start and mode select
```

```
void APP_voidStart(void);
```

```
void APP_voidAdminMode(void);
```

```
void APP_voidUserMode(void);
```

```
// Admin mode functions
```

```
void APP_voidAddPatient(void);
```

```
void APP_voidEditPatient(void);
```

```
void APP_voidReserveSlot(void);
```

```
void APP_voidCancelReservation(void);
```

```
// User mode functions
```

```
void APP_voidViewPatient(void);
```

```
void APP_voidViewReservation(void);
```
