LH_ARCH_PUBLISHADUIO

Publish Audio

User ID : String
Audio title : String
maxDuration :int
recorder: MediaRecorder
stream: MediaStream
chunks: Array<Blob>

+publishbutton()
+cancelRecording()
+record()
+pauseRecording()
+setupRecorder()

Class Diagram
ID:LH-ARCH-PUBLISHADUIO-CD

Low Level Design
+setupRecorder()

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
              ┌────────────────────┐
              │ Request Microphone │
              └────────────────────┘
                         │
                         ▼
                    ╱─────────╲
                   ╱  Access   ╲
                  ╱  Granted?   ╲
                   ╲           ╱
                    ╲─────────╱
           Yes  ╱              ╲  No
              ▼                  ▼
      ┌────────────────┐
      │ Create Recorder│
      └────────────────┘
              │
              ▼
      ┌────────────────┐
      │  Store Stream  │
      └────────────────┘
              │
              ▼
      ┌────────────────┐    ┌────────────┐
      │ Success Message│    │ Show Error │
      └────────────────┘    └────────────┘
              │                   │
              ▼                   ▼
                  ┌─────────┐
                  │   End   │
                  └─────────┘
```
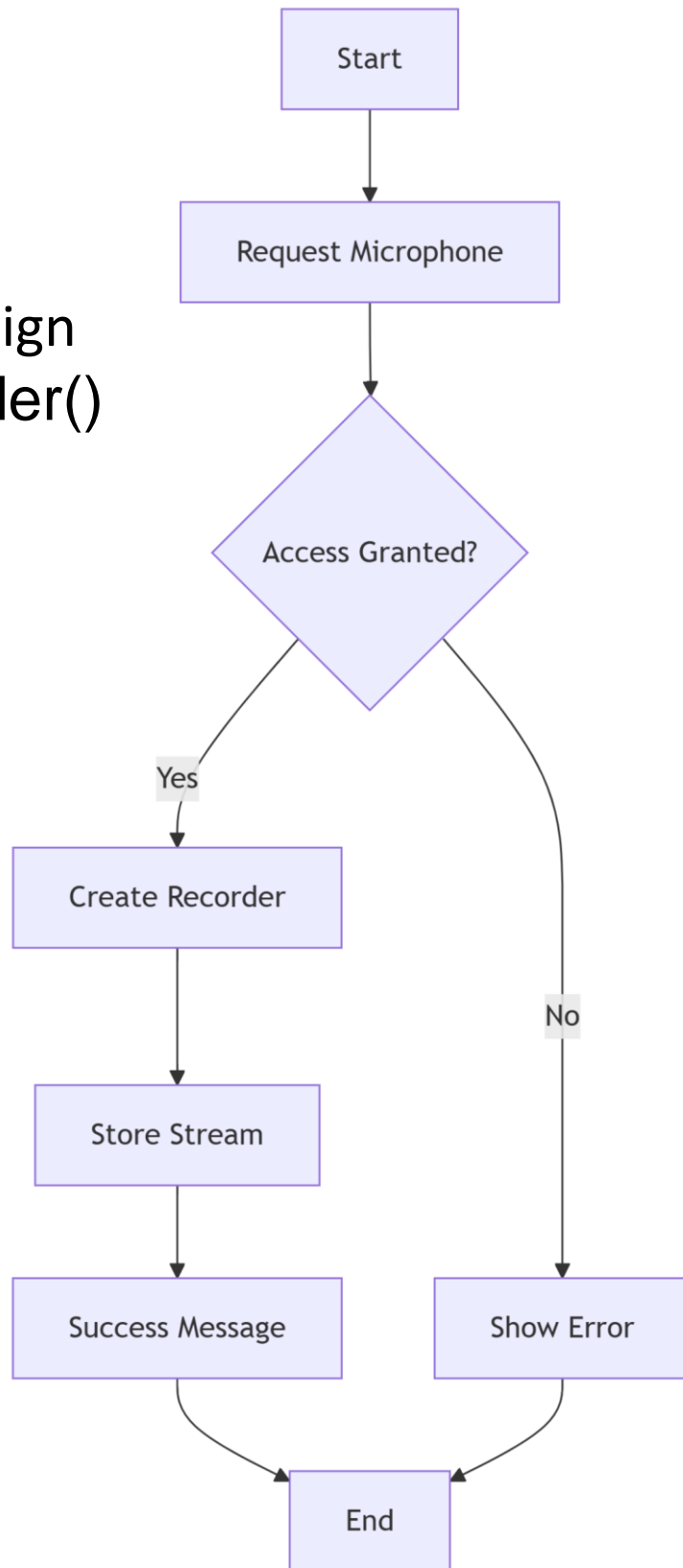
ID:LH-ARCH-PUBLISHADUIO-LLD

Low Level Design
+record()

```
                    ┌──────────┐
                    │  Start   │
                    └──────────┘
                         │
                         ▼
                    ╱─────────╲
                   ╱  Recorder ╲
                   ╲   Ready?   ╱
                    ╲─────────╱
              Yes ╱            ╲ No
                 ▼              ▼
        ┌──────────────┐   ┌──────────────────┐
        │Start Recording│   │ Show Setup Error │
        └──────────────┘   └──────────────────┘
                 │                  │
                 ▼                  │
        ┌──────────────┐            │
        │ Start Timer  │            │
        └──────────────┘            │
                 │                  │
                 ▼                  │
        ┌──────────────────┐        │
        │ Success UI Update│        │
        └──────────────────┘        │
                 │                  │
                 ▼                  ▼
              ┌──────────┐
              │   End    │
              └──────────┘
```
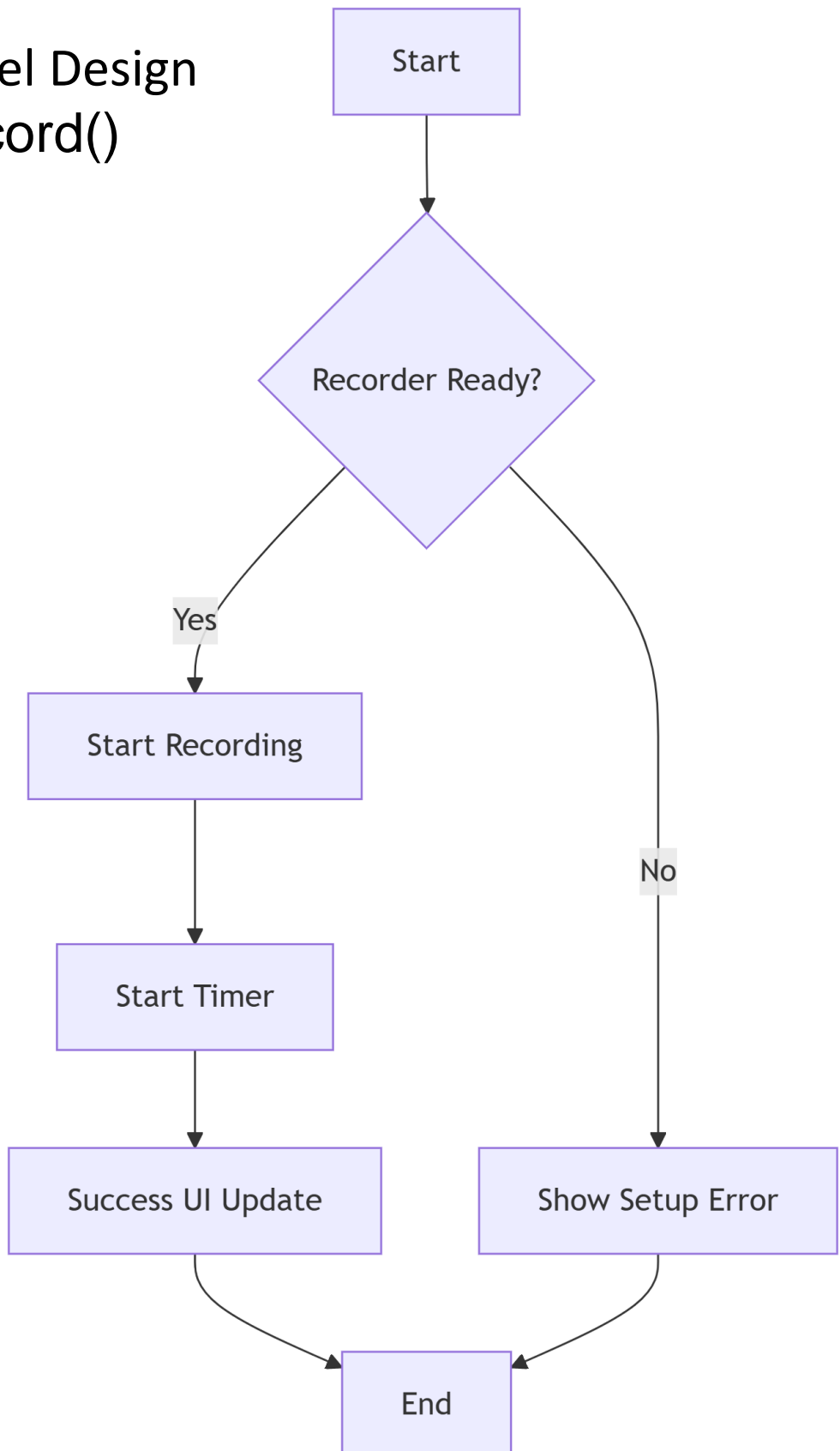
Low Level Design
+pauseRecording()

Start

Is Recording?

Yes

No

Pause

Resume

Update UI

Update UI

End
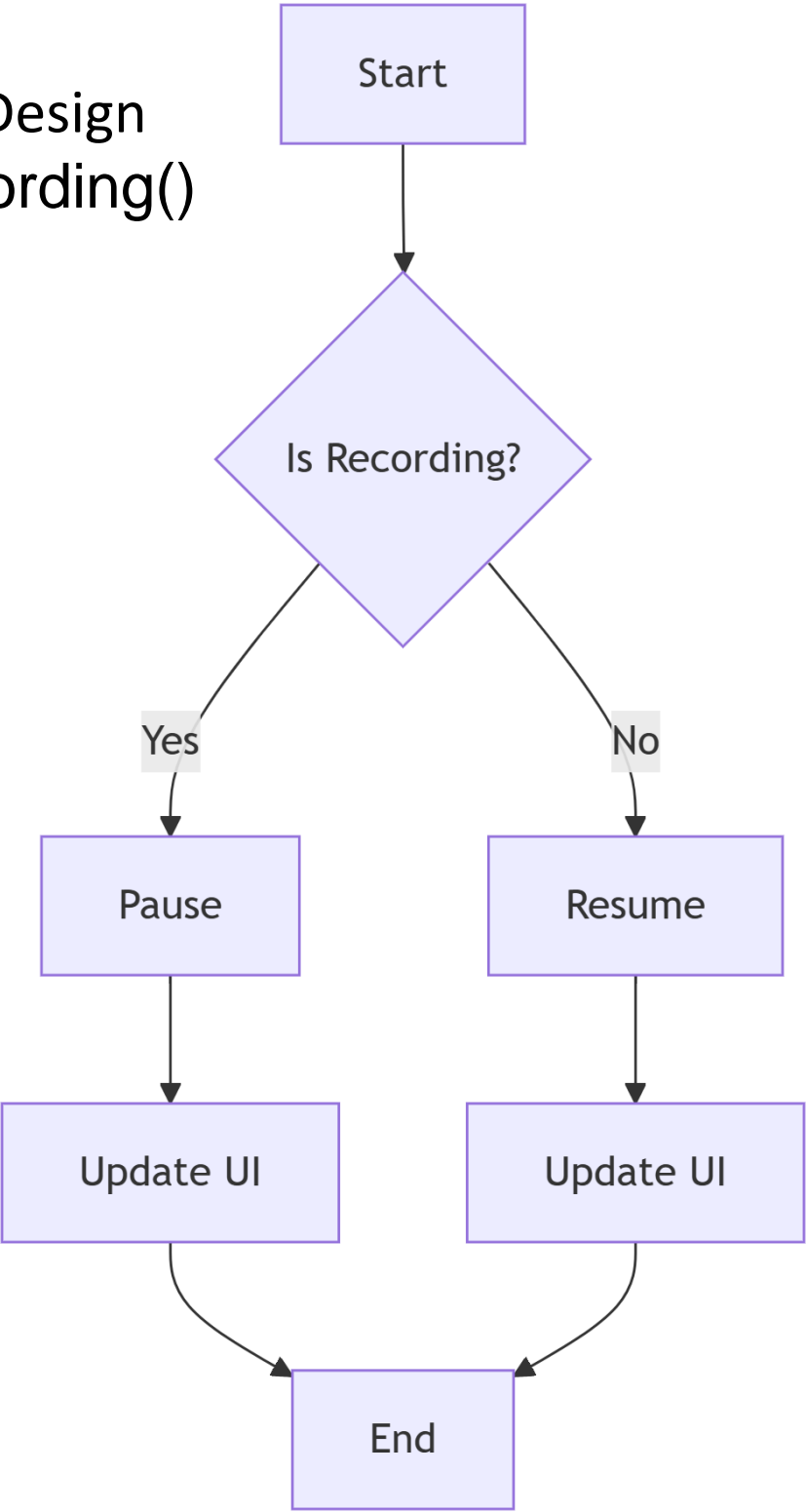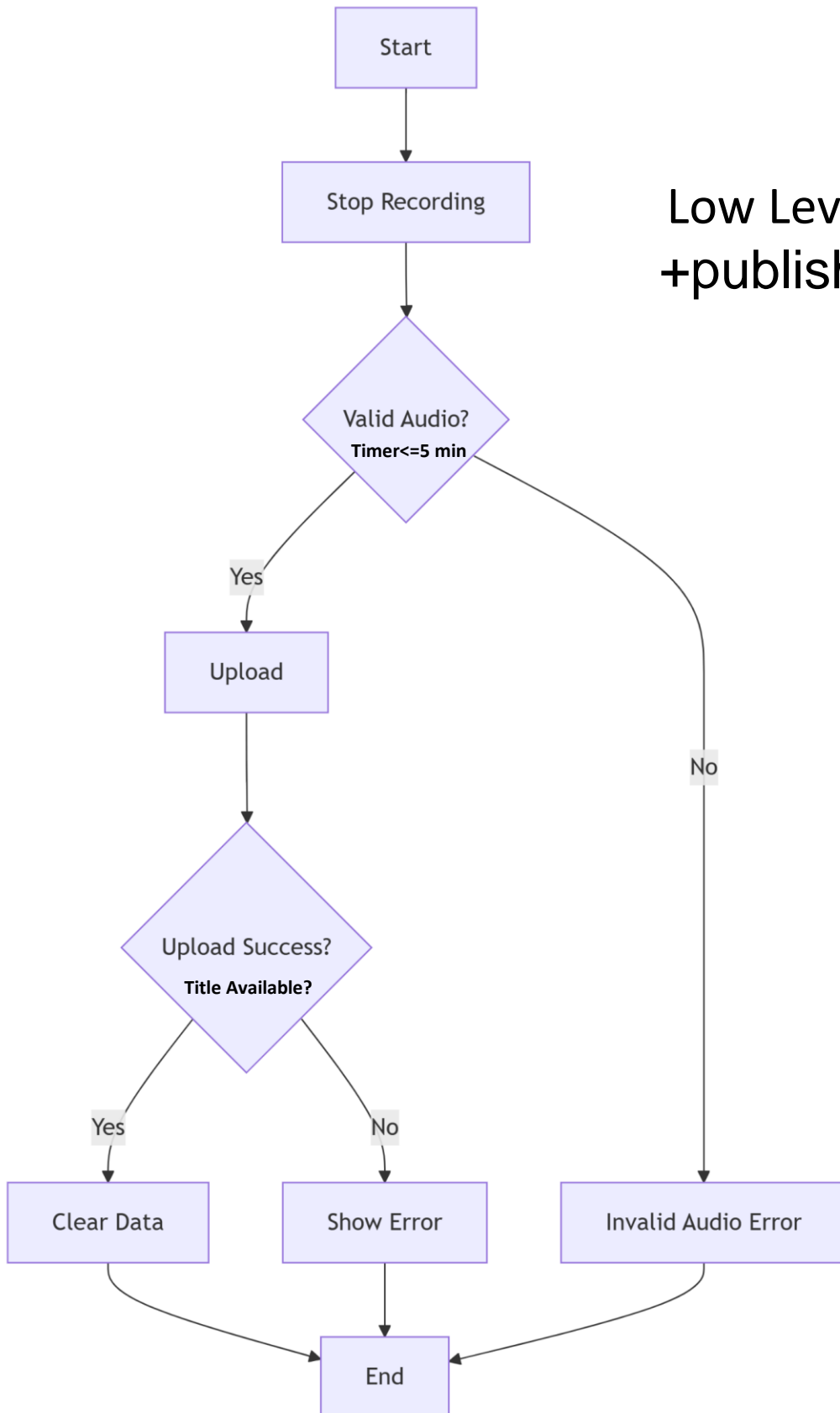
Low Level Design
+publishbutton()

Low Level Design
+cancelRecording()

Start

Active Recording?

Yes

Stop Devices

No

Clear Data

Already Clean

Reset UI

End