

ECE 3501 – IoT Fundamentals

Week 1

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Aim: Create a IOT Based Healthcare System.

Procedure:

Step 1) Select Nodes.

Step 2) Set properties of the Nodes such as name, message etc and then click Done.

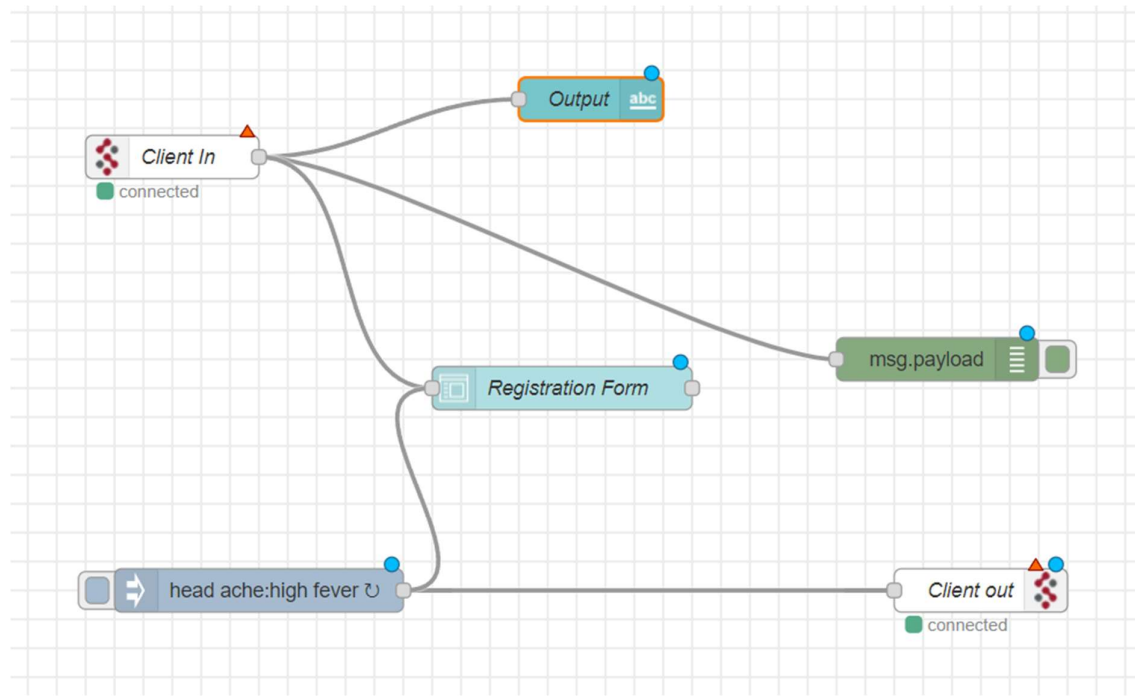
Step 3) Fill requirements of the Node.

Step 4) Select and fill form requirements then click Done.

Step 5) Click Deploy and Confirm.

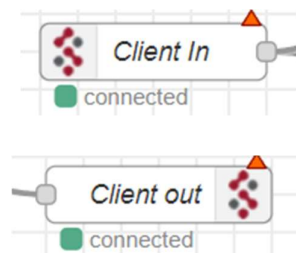
Step 6) The output is visible in the debug menu as well as the ui page.

Screenshots of Flow:

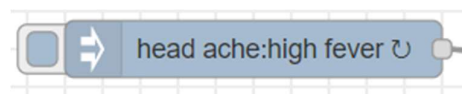


Node:

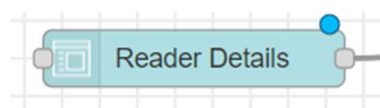
Fred Node:



Inject Node:



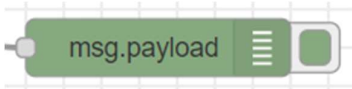
Form Node:



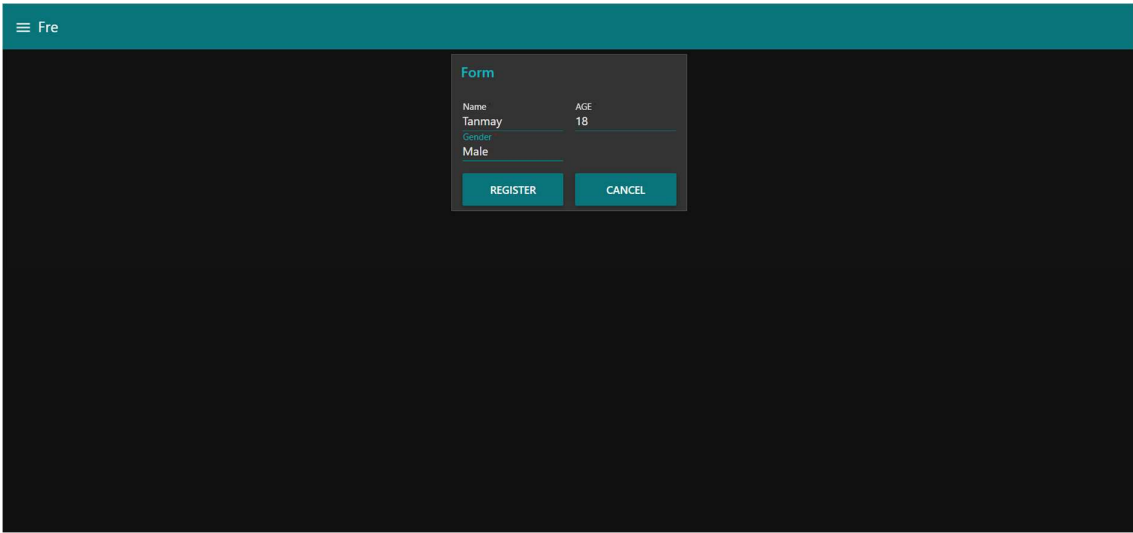
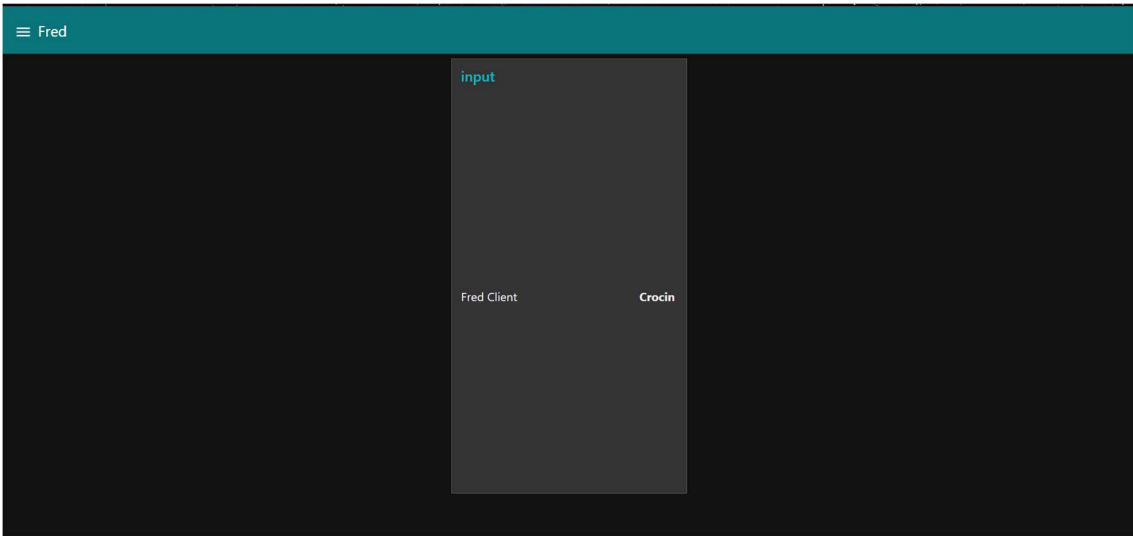
Text Node:



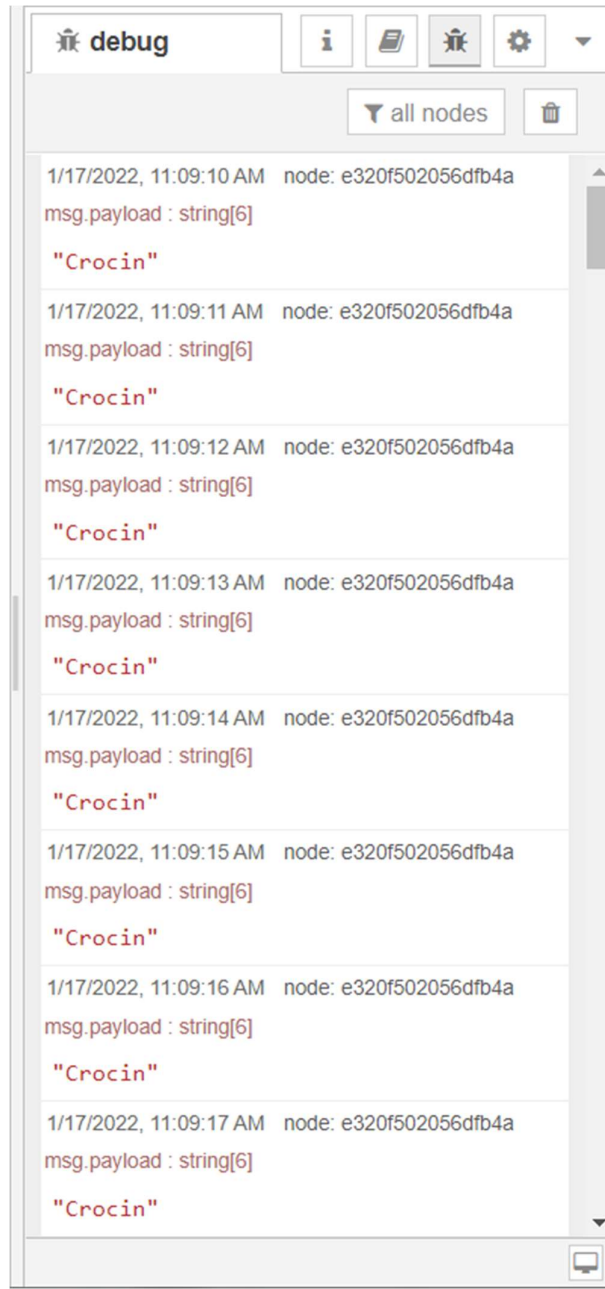
Debug Node:



Dashboard:



Debug Window-





debug

all nodes

1/10/2022, 1:06:50 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high fever","topic":"head ache","_msgid":"f1227379a3b6a6dd"}"
```

1/10/2022, 1:06:51 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high fever","topic":"head ache","_msgid":"363b96775a9aefad"}"
```

1/10/2022, 1:06:52 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"_msgid":"80b3a85a2369f313","payload":"high fever","topic":"head ache"}"
```

1/10/2022, 1:06:53 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high fever","topic":"head ache","_msgid":"046b5b29df990365"}"
```

1/10/2022, 1:06:54 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high fever","topic":"head ache","_msgid":"068a9c7a21a609b2"}"
```

1/10/2022, 1:06:55 PM node: 6f14bb60.67d1d4

msg.payload : string[72]

Provide Feedback

debug

i

all nodes

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high
fever","topic":"head
ache","_msgid":"8d4459b7b7372cd2"}"
```

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high
fever","topic":"head
ache","_msgid":"983a9d19599d34a7"}"
```

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high
fever","topic":"head
ache","_msgid":"51ee12a901c6340e"}"
```

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high
fever","topic":"head
ache","_msgid":"d015a80bdb46ac64"}"
```

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]

```
"{"payload":"high
fever","topic":"head
ache","_msgid":"b06b91a5a4d3bad6"}"
```

1/17/2022, 11:12:05 AM node: 6f14bb60.67d1d4

msg.payload : string[72]