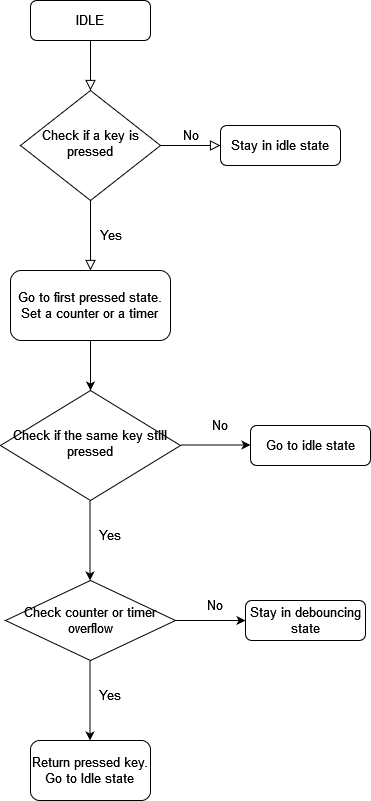
1. **Key Pad Flow Chart (Get\_Pressed\_Key)**

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**2- LCD Flow Chart (LCD\_Display\_Character)**

Stay in Wait\_Write state

Check waiting timer over flow

-Write data to bus

- Go to Wait\_Write state

-Enable LCD

- Go to Wait\_Enable state

Yes

Stay in Wait\_Enable state

Check waiting timer over flow

Yes

No

Stay in Wait\_Init state

Check waiting timer over flow

-Set register select pin.

- Set read\write pin.

- Go to Wait\_Init state.

-Go to Idle state

Stay in Wait\_Disable state

Check waiting timer over flow

-Disable LCD

- Go to Wait\_Disable state