

E36312A GUI

GUI Diagram

Output Channels

Preset Voltage
Preset Current Limit
Channel On/Off

Change preset
Voltage

Change preset
Current Limit

All On/Off

Terminal

Command Input
Command Output

Notes

Text Box

The screenshot shows the E36312A GUI with three output channels (Channel 1, Channel 2, Channel 3) each displaying voltage and current settings, and buttons for 'Set Voltage' and 'Set Current Limit'. Below the channels are 'Turn All On' and 'Turn All Off' buttons. A terminal section at the bottom left has an 'Enter command' field and a 'Send Command' button. A notes section at the bottom right contains the text 'This is a test' and 'Another Test'.

Data Recorder

Recorder Settings
Start / Stop Data
Recording

Set Frequency of
Measurements
Recorded

Create New
Bucket

Select from
Available Buckets



Output Channels

Heading	Description
Preset Voltage	Displays the voltage to which it has been set
Preset Current	Displays the current limit to which it has been set
Channel On/Off	Toggles each individual channel
Change Preset Voltage	Changes the preset voltage for each channel

Change Preset Current	Changes the preset current limit for each channel
All On/Off	Toggles all channels

Terminal

Heading	Description
Command Input	Users can enter commands not covered by the GUI
Command Output	The result of the command input is displayed here

Notes

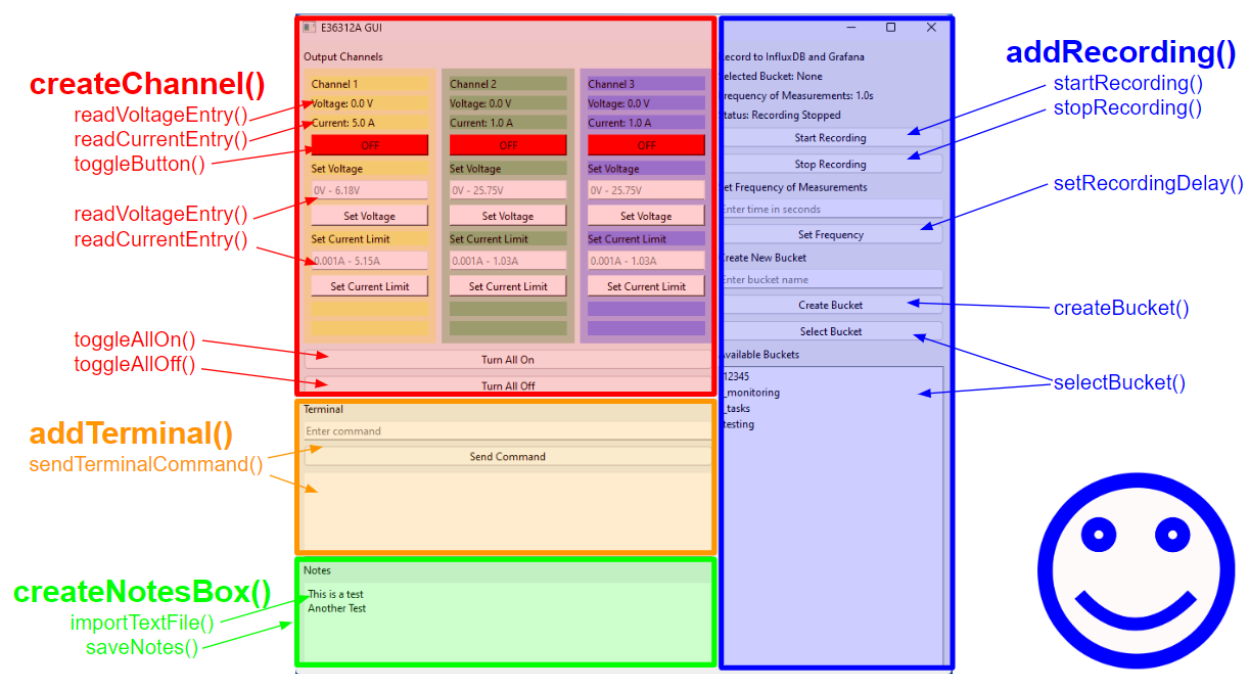
Heading	Description
Text Box	Users can type notes about miscellaneous commands or observations. These notes are autosaved to a text file.

Data Record

Heading	Description
Recorder Settings	Displays the bucket that will store the data, the frequency of

	measurements and whether the program is currently recording.
Start/Stop Data Recording	Toggles whether the data is saved and uploaded to the database. Recorder only records data for channels that are ON.
Set frequency of measurements recorded	Sets the delay between each measurement taken by the program.
Create new bucket	Creates a new bucket in InfluxDB that can be written to
Select from available buckets	Displays all available buckets that can be written to by the program

Programming Diagram



Corresponds to Python code