Calling C API

HIGH LEVEL

FRONTEND JAVASCRIPT

FrontEndCall(args)

Awaiting resolution of promise from **ipc.invoke(args)**

PRELOAD.JS

ipc.invoke(args) raises an event, and adds an "Event" object.

This event is handled by:

ipcMain.handle()

MAIN.JS

ipcMain.handle(event, **args**)

Awaiting resolution of promise from **MySQLAPI(args)**

event is ignored.

APICALLS.JS

MySQLAPI(args) captures all output from either stdout or stderr, and appends them to a string.

Then, based on the **ExitCode** of our C app, either **RESOLVES** or **REJECTS** our promise, triggering the chain reaction of resolve/rejects leading back to our **FrontEndCall()**