# Platform and Framework

* Discord will be used for the platform and framework

# Functional Requirements

* Should use “/” commands in Discord Chat
  + Medium Priority (Slash commands are recommended by Discord, but not necessary)
  + Commands should be executed through the Discord chat
* Blacklist - Gives immunity to specific users (either userIDs or server Roles)
  + High Priority (Client wants specific users/roles to be immune to being kicked)
  + The Blacklist will prevent certain people either through userIDs or server Roles from getting kicked from the server
* Bot will kick not ban users
  + High Priority (Client wants users to be able to come back instead of being gone forever)
  + The bot will only kick users and not ban them. This is in case a user would like to join back the server.
* The bot should check both text and voice channels for inactivity
  + High Priority (Must have this for the bot to actually work)
* The bot should check for reactions from users
  + High Priority (Reactions will be a nice feature to add, but mainly voice chats and text chats)
* Send confirmation of kicked users to admin-specific channels
  + High Priority (Client wants to be able to confirm before executing purge)
* Have a specific role to be able to use the bot
  + High Priority (Client does not want unrestricted access to the bot)
  + Only the owner or moderator roles should be able to use the bot commands to purge
* Hide specific commands from users who are not admins, owners, or moderators
  + High Priority (Client wants this implemented)
* The first iteration should be a manual command to run the bot
  + Medium Priority (Client told us to make it manual at first, but if we could make it automatic, we should)
* The second iteration should be automatic
  + Low Priority (Client wants the end product to be a streamlined process and one where they don’t have to manually activate.)
* A message will issue when a purge occurs and who initiated the purge
  + High Priority (Allows a log of purges and those who initiate the purge)
* Ensure the bot can operate
  + High Priority (Required for the purpose of the utilization)

# Non-Functional Requirements

* Who is considered inactive (EX. Higher role will have more leeway than a lower role)
  + Medium Priority (Client wanted higher roles to have more time before being kicked than lower roles)
* Should be customizable
  + High Priority (Client would like to be able to change the inactivity timer and the purge frequency)
* The frequency of the auto-kick
  + Medium Priority (Client wants the bot to be able to work, but it would be a good feature if added)
* Bot Name Suggestions
  + Low Priority (Client said they were open to bot name suggestions, not 100% necessary)
* New users will have a stricter inactivity time limit
  + Medium Priority (Not necessary for the first iteration, but if possible, it will be done)
* Create a dashboard UI for the settings
  + Medium Priority (For easier usage of the commands)
* Make UI show the usernames of people getting kicked
  + Medium Priority (Needed in order to see WHO is getting kicked)
* Make UI show days since the activity
  + Low Priority (The client said it’s not NEEDED, but would be a nice feature)

(ask if this should be implemented)

Domain Requirements

* Discord Bot Commands
  + High Priority (Client would like multiple commands)
  + The discord bot should be able to understand when it is being prompted to do a task (such as kicking or displaying a list of users that will be kicked next) using commands.
* Confirmation information for admins.
  + Medium Priority (Client would like to see a preview list of people who are inactive)
  + The bot should give a response to admin users describing who was kicked and why.
* Specified Users of the Bot by role
  + High Priority (Client only wants certain roles to be able to access the bot)
  + The bot should only be accessible by specific admin users.