USE CASE: TESTING ARENA – UPLOAD BOT

BASIC COURSE:

The Testing Arena Webpage displays the Player Tab for a specific player to the user. The user selects the Upload File radio button. The Testing Arena Webpage displays the file upload menu to the user. The User selects on the Browse button, then selects their file from the file explorer and selects the Upload Bot button. The Testing Arena Webpage disables the next turn button. The Bot Uploader confirms the file selected is a Java file with a size not exceeding the file size limit. The Bot Uploader uploads the file to the Server. The Server stores the file in the Bot Database. The Bot Database sends the Server the Bot ID upon successful upload and compilation. The Server sends the confirmation message and the Bot ID to the Bot Uploader. The Bot Uploader then sends the confirmation message to the Testing Arena Webpage. The Bot Uploader also sends the Bot ID to the Testing Arena Controller. The Testing Arena Webpage displays the confirmation message to the user and enables the next turn button.

ALTERNATE COURSES:

No file is selected: The Testing Arena Webpage displays an error to the user stating that no file was selected.

The file selected is not a Java file: The Testing Arena Webpage displays an error to the user stating that the selected file is not a Java file to the user.

File selected is exceeds the file size limit: The Testing Arena Webpage displays an error to the user stating that the selected file exceeds the file size limit to the user.

The Bot Uploader doesn't receive a response within a specified time: The Bot Uploader sends a bot upload timeout error to the Testing Arena Webpage. The Testing Arena Webpage displays an error to the user stating that the bot upload request has timed out.

Bot did not compile successfully: The Bot Database sends the Server a message including the errors that occurred during compilation. The Server sends the message to the Bot Uploader. The Bot Uploader sends the message to the Testing Arena Webpage. The Testing Arena Webpage then displays the compilation errors to user.

Error occurred while storing the Bot in the Bot Database: The Bot Database sends the Server an error message indicating the error that occurred. The Server sends the error message to the Bot Uploader. The Bot Uploader sends the error message to the Testing Arena Webpage. The Testing Arena Webpage then displays the error to user.