

Criteria A: Planning

Defining the problem:

Ms. Lim has been playing a lot of video games recently, specifically Valorant¹, and she wants to be able to track her improvement.²

Description of Scenario

My client, Ms. Lim, is a friend of mine who just started playing video games. The game that she just started playing is called Valorant, a 5 vs. 5 first person shooting game (FPS). To win this game is quite simple, the player will need to win 13 rounds before the opponent does by killing all the enemy team, exploding the bomb, or defusing the bomb.³ As she plays this game, she wants a program that can track her improvement.

Rationale for Proposed Product

The reason for a computerized program, which will be written in java, with a graphic user interface (GUI) is because it allows the user to easily visualize his or her improvement. The program will display overall stats, graph with stats from each game, and match history by calculating from the data the user input. This is done because it can be hard and tedious to calculate and graph the stats from each game they have played. In order to create this program, **the following features will be used.**

| Name of Features | Description of Features |
|--------------------------|--|
| GUI | <ul style="list-style-type: none">- Allowing the user to easily visualize the stats.- Displaying the KDA graph. |
| NetBeans | <ul style="list-style-type: none">- Debugger is used to find errors.- Helping visualize the graphic when editing.- Using to render the graphic. |
| Computer Language (Java) | <ul style="list-style-type: none">- Platform Independent: Can run on any operating system.- Object Oriented Programing: Provide polymorphism which I will be using in my program in order to create multiple constructor for my class.- Providing an extensive library to choose and use from. |
| MySql (Database) | <ul style="list-style-type: none">- Storing user input data from the program.- Retrieving the data and sending it to |

¹ Client, interview by author, November 4, 2021. Transcript of Interview #1, client answer #4.

² Client, interview by author, November 4, 2021. Transcript of Interview #1, client answer #6.

³ Client, interview by author, November 4, 2021. Transcript of Interview #1, client answer #5.

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| | the program. |
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Success Criteria for Product

- The users will be able to see their match history.
- The users will be able to see their KDA graph.
- The users will be able to see the summarized stats such as their kill death ratio, win rate etc.
- The users will be able to choose stats according to the specific agent they want to see.
- The graph and stats summary that is displayed corresponds to the specific agent the user selected.
- The user will be able to delete/remove a match from match history.
- The user will be able to refresh the stat page in order to see new data
- The user will be able to store data in MySql

Word Count: 201 (Does not include bullet points)