**BLACK JACK CARD COUNTING ANALYSIS PROGRAM**

**PROJECT PROPOSAL**

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**OVERVIEW**

**Summary:**

An analysis program that tracks blackjack card counting probabilities of different algorithms. The results of the analysis would be based off of three sets of rules, the standard rules of blackjack, the MIT created card counting rules and an in house developed algorithm. Solely based off of a proprietary set of rules developed by our team. The program would output the winnings from each set of algorithms based from a starting holding of $1000 through the entire shoe of decks.

**Objectives:**

The main objective is to create an algorithm that is better than the MIT card counting system. This windows x86 architecture system would be able to give a more depth as to which set of rules is best suited for different probabilities based on card counts. As the aforementioned program would be a secondary objective to help probabilities and statistical analysis for interested parties.

**Schedule:**

This tentative schedule is based on an Agile development environment:

* Define Project Plan and Requirements
* Design the High-Level of the program
* Design the Low-Level of the program
* Develop and iterative testing on subsystems
* Final testing and optimization
* Deployment and maintenance