Five Card Stud Poker with Betting

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ABSTRACT: This is our SWE-681 Semester Project Final Report for our secure multiplayer Internet (web) gaming system for Five Card Stud Poker with Betting.

# 1. Introduction

We designed/implemented our Five Card Stud Poker with Betting project to allow users to:

1. create a new registration of username and password,

2. logon securely to our secure multiplayer Internet (web) gaming system.

3. start a new game.

4. join a game.

5. logoff.

6. resume a game by joining again.

7. take turns betting (raising), calling, or folding for each 2 through fifth card dealt.

8. Listing completed games.

This web application uses SSL/TLS for encrypted communications between Web Browser clients (Chrome and Internet Explorer) and the web server. This application was built using Apache Web Server, Tomcat JSP/Struts 2.x, MySQL DBMS Server 8.x, FindBugs for defect resolution, JQuery, AJAX, Java J2EE, and GitHub server & GitHub Desktop.

After logging in you are directed to a wEB\_INF\games.jsp page where strictly secure asynchronous AJAX mini-http calls are made to allow the users to take turns with game state management.

# 2. Design/Architecture

# 4. Installation Instructions

# 5. Operating Instructions

# 6. Game rules

# 7. Assurance Case Why we believe it’s secure