



**Michigan  
Technological  
University**

College of Computing

Computer Science Department

CS3141 Team Software Project

Spring 2022

**Team Software Project proposal**

Section: R02

Team #: 15

Roll#	Student name	position
26	Daniel VerMulm	Scrum master
25	Tyler Tappin	Developer
28	Jun Wang	Developer
27	Izzy Waldie	Developer
		Developer

Project name/title: BlackJack

Instructor name: Serein AL-Ratrout

### Project introduction and description:

We plan to implement a java based Blackjack that can support multiple players at the same "Blackjack table". We plan to have a user interface in which the player can interact with their hand of cards as well as a betting interface that allows the user to bid chips. The program will require a AI dealer that makes decisions based on what the players choose. Some of the issues we expect to have is learning how to use group based programming software such as Github as well as programming the userinterface so that it looks clean and useable.

### Problem statement

We want a free offline version of blackjack, and don't want to have to buy an existing game. The lack of a free offline version of blackjack has a negative impact our lives because we want to play the game.

### Proposed solution:

We plan to program a free offline version of blackjack using java that supports multiple players on the same device as well as a built in betting system.

### Tools:

- Github
- Jira
- Java
- Zoom
- Discord

### Constraints and challenges:

We expect our lack of technical knowledge to be our largest issue programming the interfaces. We also expect our differentiating schedule to be a large obstacle.

### The expertise of the Team Members

We all have experience in java and we all look forward to learning more about programing user interfaces.

## References

(Include any references to external documents or materials (for example, tutorials the team will be using, literature , web references or links to documentation of third-party tools you will use) here.

The references should be properly numbered and correctly used in the text.

The Reference section should be in the following fashion:

## References

Journal, Magazine/ Newspaper Article

[1] Author, "Title," *Journal name*, p. pages, year.

Book

[2] Author, Book Title, publisher, year.

Internet Web page:

[3] Author, "Name of the Web Page," [Online]. Available: URL. [Accessed Date].