

## Software Requirements for ConnectFour

Project Name: ConnectFour

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### Introduction:

ConnectFour is a two-player connect four game. It features a settings page where the user can edit which color tile goes first (red or yellow), as well as a statistics page that tallies the number of wins for each color tile. This document will describe the requirements of the application, requirements of the device, as well as functional requirements.

### System and Platform Requirements:

ConnectFour is capable of running on machines running Mac OSX 10.1 or newer. The application may require read-write permissions to create and update the necessary files which the user must grant permission. The machine must also have 1 MB of free space to download and use the application.

### Software Requirements:

To download the application, an device capable of software Mac OSX 10.1 or newer is needed. ConnectFour needs roughly 1 MB of free space on the device in order to be downloaded and used. The application will store files on the device and will need permission to save, if the user is prompted.

### Functional Requirements:

Dropping a tile – the user must click within one of the circles in a given column, above all tiles currently sitting in that column. If the user clicks outside of a circle, or in a column that already contains the maximum number of tiles, no tile will be dropped.

Store number of wins per tile color – for each victory, increment the number of wins for the color tile that won the game and save this data to the desktop.

### Security Requirements:

ConnectFour requires permission to read and write files on the Android device. No other security requirements are necessary for the application to function.

### Jargon:

Tile – game piece that is either red or yellow in color