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| Software Development Team |
| Let’s Quiz |
| User Manual |

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Thank you for downloading Let’s Quiz to your device. We hope you will get many hours of enjoyment out of it.

# What Is Let’s Quiz

Let’s Quiz is a turn-based quiz game available on Android and iOS devices. It can be played in single player or multiplayer mode. It consists of three timed rounds of fantasy and Sci-Fi questions, in a range of categories. The game will allow you to check scores on a leader board, vote and submit your own questions as well as play the game.

# System Requirements

## Minimum System Requirements Android Device

The minimal system requirements for the Android implementation of Let’s Quiz is;

* A device that is running Android 5.0 (Lollipop) or later.
* A device that is connected to the internet on initial installation and start-up.
  + There is an offline redundancy in place to ensure the user can still use the app even if they aren’t connected to the internet.
* A device that has at least 75MB of space.
* A user must have an account, whether it be an email or social media account, if they wish to use all the functionalities in the game – such as the leader board and submission of questions.

## Minimum System Requirements iOS Device

The minimal system requirements for the iOS implementation of Let’s Quiz is;

* A device that is running iOS 8.0 (Okemo) or later.
* A device that is connected to the internet on initial installation and start-up.
  + There is an offline redundancy in place to ensure the user can still use the app even if they aren’t connected to the internet.
* A device that has at least 75MB of space.
* A user must have an account, whether it be an email or social media account, if they wish to use all the functionalities in the game – such as the leader board and submission of questions.

# Installation

## Installation on Android Devices

There are two ways in which you can install Let’s Quiz on an android device;

* Download and installation via the Google Play Store – official
* Download and installation via a Google Drive link – unofficial

### Play Store

1. Open Play Store app and search for Let’s Quiz
2. Click on the Let’s Quiz option once the search results are back
3. Click on the install button – this will start the download and installation process.
4. When prompted to give permission for the app requirements, accept or deny to your discretion.
5. Upon competition proceed to section 4.

### APK File (experienced users only)

Please note you are required to have “install unknown apps” set to enabled for this process to work.

1. Follow this link: <https://drive.google.com/open?id=1lOA3mUmvJ341WSRYbZzpCjajMjB6jlkK>
2. If on your device:
   1. Click the download button
   2. Upon completion – proceed to the downloads folder on your device and install the apk file.
   3. If your device warns that your internet browser does not have permission to install apps from an unknown source, give permission to the requested app.
   4. Install the app when prompted
   5. Upon completion process to section 4.
3. If on your computer:
   1. Click the download button
   2. Upon completion – proceed to the downloads folder on your computer
   3. Plug in your device and copy apk file over to a location on your device of your choosing
   4. Upon completion – proceed to location of apk file on your device and install the apk
   5. If your device warns that your internet browser does not have permission to install apps from an unknown source, give permission to the requested app.
   6. Install the app when prompted
   7. Upon completion process to section 4.

## Installation on iOS Devices

There are two ways in which you can install Let’s Quiz on an iOS device;

* Download and installation via the App Store – official
* Download and installation via unity and XCode – unofficial

### App Store

1. Open the App Store app and search for Let’s Quiz
2. Click on the Let’s Quiz option once the search results are back
3. Click on the install button – this will start the download and installation process.
4. When prompted to give permission for the app requirements, accept or deny to your discretion.
5. Upon completion proceed to section 4.

### Unity and XCode (experienced users only)

1. Open an instance of Unity
2. Open the Let’s Quiz unity project
3. Proceed to File > Build Settings…
4. Ensure that the target platform is set to iOS – if it isn’t switch to iOS and wait until all compilation processes are complete
5. Upon completion click build and run – select your iOS device
6. Proceed to section 4.

# Starting the Application

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| To start Let’s Quiz, follow the steps given below:   1. Click on Let’s Quiz icon in the application menu. 2. Upon clicking the Let’s Quiz icon, the application will start and the Let’s Quiz splash screen will show for a few seconds while the application starts up. 3. The application will then display the Login/Register page.   Login/Register page contains the following options:   * 1. Heading   2. Login button   3. Register button   4. Facebook Login button   First time users should select register, this will allow them to register a Let’s Quiz account.  If you already have a Let’s Quiz account or wish to link Let’s Quiz to one of our social media options either Facebook or Google Play Services, press the relevant social media button.  **Note:** This application will require an internet connection at start up to access questions. | 2018-09-01_20-04-01  d  c  b  a |

## Register

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| To register an account with Let’s Quiz, follow the steps given below:   1. Start Let’s Quiz 2. The Login/Register page is displayed after application initialisation. 3. Click the Register button. 4. The Register Page will open.   The Register page contains the following options:   * 1. Username   2. Email   3. Password   4. Confirm Password   5. Register Button   6. Skip Button   7. Facebook Login button   To register, you are required to provide a username, an email address, and a password. Upon filling in all the required fields, press register. If any of these are left blank you will receive an alert stating which field was left blank. If the entered passwords do not match, you will be shown an alert. Once the registration process in complete, you will be logged in and taken to the main menu (section 5).  If you do not wish to register an account, you can press skip, and you will be taken to the guest main menu which has limited options (section 5).  You can also skip registration and login via a social media option (section 4.2). | 2018-09-01_20-04-31  g  e f    a  b  c  d |

## Login

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| --- | --- |
| To login with Let’s Quiz, follow the steps given below:   1. Start Let’s Quiz. 2. The Login/Register page is displayed after application initialisation. 3. Click the Login button. 4. The Login Page will open   The Login page contains the following options:   1. Username 2. Password 3. Login Button 4. Skip Button 5. Facebook Login button   To login in you are required to provide your username and password. Upon filling in the required fields, press login. If any of these fields are left blank you will receive an alert stating which field was left blank. If any of the information you provided was incorrect, you will receive an alert stating which information was incorrect. Once the login process is complete, you will be taken to the main menu.  If you do not wish to login with an account, you can press skip, and you will be taken to the guest main menu which has limited options (section 5).  You can also skip logging in with a username and password and login in via a social media option. (Section 4.2.1) | 2018-09-01_20-04-08  e  c d  a  b |

### Login via Facebook

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| To login with Let’s Quiz via Facebook, follow the steps given below:   1. Start Let’s Quiz 2. The Login/Register page is displayed after application initialisation. 3. Click the Login with Facebook button see below screenshot item 1 4. Sign into Facebook when presented with Facebook sign in by entering your Email and password see screenshot one 5. Give permission for Facebook and Let’s Quiz to be linked together see screenshot two. 6. Upon completion you will be taken to the main menu (section 5).   C:\Users\Michelle\AppData\Local\Microsoft\Windows\INetCache\Content.Word\2018-09-12_23-31-55.png | C:\Users\Michelle\AppData\Local\Microsoft\Windows\INetCache\Content.Word\2018-09-12_23-13-47.pngScreenshot One  Screenshot Two  C:\Users\Michelle\AppData\Local\Microsoft\Windows\INetCache\Content.Word\2018-09-12_23-19-56.png |

You can also skip login, you can press skip, and you will be taken to the guest main menu which has limited options (section 5).

# The Main Menu Page

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| The main menu once logged in will display:   1. Logged in user’s username 2. Game Lobby button 3. Account button 4. Leader board button 5. Submit New Question button 6. Settings button 7. Logout button 8. Quit button |  |
|  |  |
| The guest main menu will display:   1. Guests username 2. Game Lobby button 3. Leader board button 4. Settings button 5. Logout button 6. Quit button | 1  2  3  4 |

## Account

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| To navigate to the account page:  e   1. Press the account button 2. The account page will be displayed   The account page contains:   * 1. Page Title-Account   2. Sub Heading- User Information   3. The Username of the account that’s logged in   4. The email of the account that’s logged in   5. A back button-Arrow   The account page will show your username and the email you login with. | 2018-09-01_20-30-06  a  b  c  d |

## Leader board

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| To navigate to the Leader Board:  e   1. Press the Leader Board button 2. The Leader Board will be displayed   The Leader Board will show:   * 1. Page Title-Leader Board   2. The top 10 scores and the username the score belongs to.   3. Top 10 questions and their votes.   4. Most correct   5. A back button-Arrow   To navigate the leader board, you tap the section you wish to see and it will be displayed. | 2018-09-01_20-17-38  b c d  a |

## Submit New Question

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| To navigate to the submit new question page:  g   1. Press the submit new question button 2. The submit new question page will be displayed   The submit new question page contains:   * 1. Page Title- Submit New Question   2. Question   3. Correct answer   4. Three incorrect answer fields   5. Category drop box   6. Submit Question button   7. A back button-Arrow   To submit a question, you must fill in all fields, and press submit question, if any fields are blank you will receive an error message telling you the corresponding field cannot be empty. | 2018-09-01_20-22-02  a  b  c  d  d  d  e  f |

## Settings

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| To navigate to the settings page:  f   1. Press the settings button 2. The settings page will be displayed   The settings page contains:   * 1. Page Title-Settings   2. Sub Heading- App Settings   3. Sound Effects switch   4. Background Music switch   5. Notifications switch   6. A back button-Arrow   All switches can be toggled off or on depending on your preference, the default setting for each is on, if you wish to switch off just click the corresponding switch.  When on the switch will be green, when off it will be white. | 2018-09-01_20-25-30  a  b  c  d  e |

# Game Lobby

To navigate to the Game Lobby:

1. Press new game button from the main menu screen
2. The game lobby screen will be displayed

The Game Lobby screen contains:

* 1. Ongoing user games
  2. New game button

**Navigating the Game Lobby:**

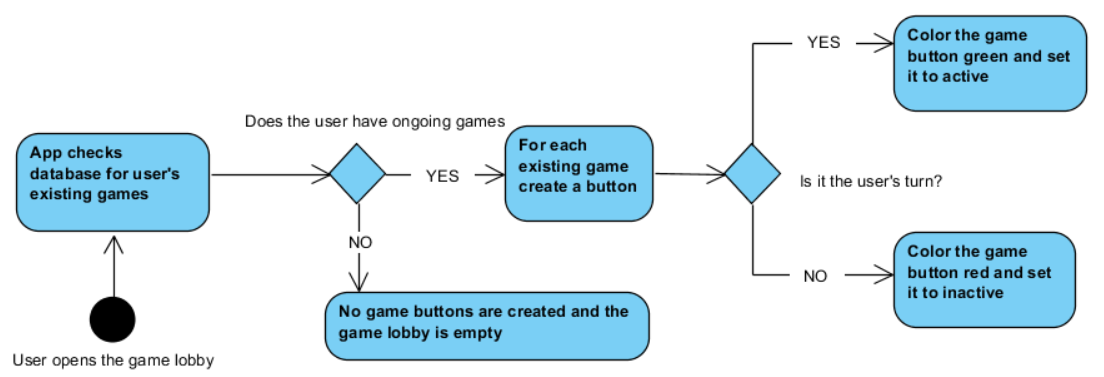
A user can enter a new game by pressing the ‘Start New Game’ button alternatively a user can continue an existing game, provided it is their turn by pressing one of the existing game buttons.

A user will be able to tell if it is their turn in an on-going game by looking at the colour of the game buttons. Red means it is not their turn and the game is waiting for other player to take their turn, green means it is their turn.

Should a player try to enter a game where it is not their turn, nothing will happen as the button is in an inactive state.

The ‘Star New Game’ button is always active, a player may have as many games going as they like.

**Decision tree for ongoing user games**



**Decision tree for ‘new game’**

# Playing The Game

## Game Start

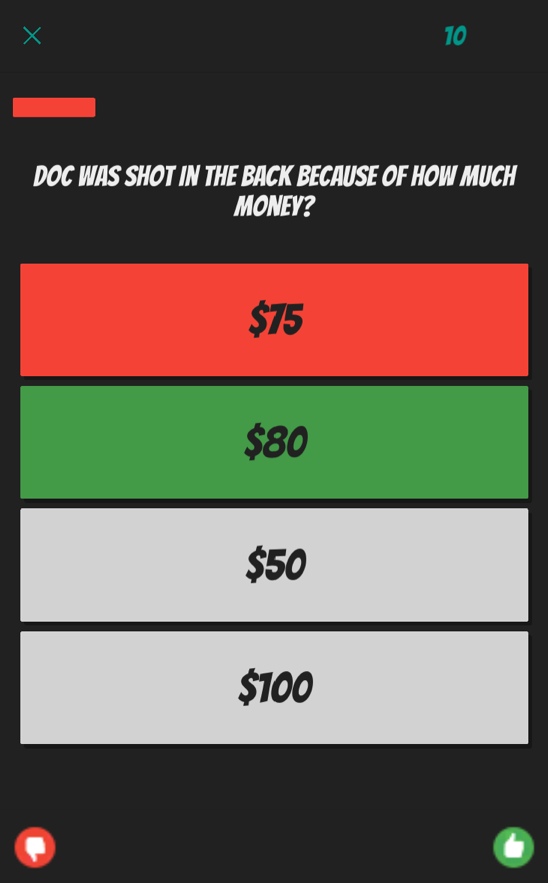
## ../../../Downloads/game1.jpgUI Elements

The UI consist of the following elements:

1. Countdown timer
2. Question box
3. Answers boxes
4. Like button
5. Dislike button
6. Round score

## Timer

Once the round begins the timer will begin counting down from 20. Indicated by the number as well as the progress bar, initially beginning in green. As the time gets closer to 0 the progress bar changes from orange and then to red to indicate time running out.

Once the timer hits 0 the round is over and the game moves to the End Screen.

## Question Box / Answer Buttons

At the beginning of the round a new question and set of answer buttons is displayed. This set is pulled from a predefined pool of questions; the order of the answer buttons is also randomized each time the question is displayed.

When the user selects an answer buttons, the following can occur:

* If the answer selected is correct, the selected answer changes to the colour green for 0.5 seconds. The score is updated with +10 points. Then a new question is displayed from the remaining questions in the question pool.
* If the answer selected is incorrect, the selected answer changes to the colour red and the correct answer changes to the colour green for 0.5 seconds. The score is updated with a -5 points. A new question is then displayed from the remaining questions in the question pool.

## Like / Dislike Buttons

The like and dislike buttons are available at the bottom of the screen for every question. If either is pressed, the database is updated with the current number of likes/dislikes for that question. The like button count is used to identify the top questions in the question pool. The dislike count is used to identify questions that may need to be removed from the question pool.

When either button is pressed a notification displays at the top of the screen giving feedback.

## ../../../Desktop/Screen%20Shot%202018-09-06%20at%205.28.42%20pm.pngRound End

At the end of the round an end round screen is displayed. The screen shows the rounds end score, the username and a ranking of where that round would have placed among all other rounds played in the game.

During this scene all high score and ranking data is pushed to the database, during this process an ‘attempting to submit ranking’ notification is displayed to give feedback to the user.

Options to share the round score to Facebook and return to the main menu are displayed for the user.



# Troubleshooting

**Installation**

Let’s Quiz can be downloaded from the android Play Store or from Apple’s App Store. After searching the store for ‘Let’s Quiz’ simply download the game, it is free.

**Minimum System Requirements**

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| Android | Android 5.0 ‘LolliPop’ |
| Apple | iPhone 4 with iOS 8 |

**FAQ**

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| **Fault** | **Fix** |
| The game won’t run after I install it | Are you online?  The first time Let’s Quiz runs it must connect to the Let’s Quiz servers. After the first time Let’s Quiz can be run in offline mode but initially it needs to be able to communicate with the databases. |
| I cannot log in | Are you online?  Let’s Quiz requires an internet connection and permission to access your phone’s internet |
| My recent game is not appearing in the game lobby | Are you online?  To update the Let’s Quiz databases with recent games your device requires an internet connection. If for some reason your internet connection failed at a critical time Let’s Quiz will store the game locally and push it to the database when are online next. |