
TimeQuest



User Manual

ECSE 424

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TABLE OF CONTENTS

1. Introduction
2. App setup process
3. Step-by-step procedures
 - a. Checking today's usage
 - b. Viewing your daily usage history
 - c. View earned rewards (trophies)
 - d. Changing settings and logging out
4. Contact information

INTRODUCTION

Project

TimeQuest is an android application built to help users limit their phone usage. The goal of this app is not to restrict access but encourage and motivate users to save time throughout the day by challenging friends and winning rewards. This manual offers all the steps required for setting up the app and offers a set of instructions to go through the app.

Suggested hardware

Only a computer is needed to run the application on the emulator. Optionally the app can be run on an android phone with the latest OS if available and that is plugged to the computer using a USB cable.

Beta-system limitations

All main functionalities of the app should be working properly but there might be a few bugs with secondary features in edge cases.

App Installation

First download the APK file listed under the prototype implementation section.

To install the APK please use the following steps:

1. Before you can install it on your phone you will need to make sure that third-party apps are allowed on your device.
2. Go to **Menu > Settings > Security >** and check **Unknown Sources** to allow your phone to install apps from sources other than the Google Play Store.
3. **Newer versions of Android do things a little differently.** Rather than check a global setting to allow installation from unknown sources, you'll be prompted to allow your browser or file manager to install APKs the first time you attempt to do so.
4. If you like, you can also download a file manager app so you can easily find files on your Android device. We recommend our favorite file managers in our list of the [best file explorers for Android](#).

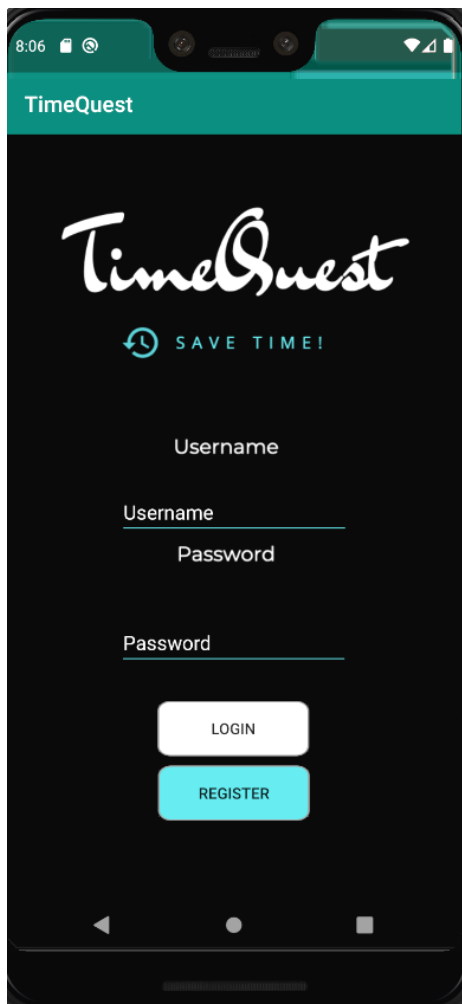
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5. Once you've downloaded the APK file on your computer, connect your Android device to it.
 6. At this point, you may be asked if you want to charge your phone or connect it as a 'media device.' Choose **Media device**.
 7. Then, find your phone's folder on your computer. It will be in 'My Computer' or 'Computer' on Windows (PC).
 8. Copy the APK file into a folder of your choice in your Android smartphone.
 9. You will now be able to search for the file location in the **My files** folder of your device.
 10. Find the APK file, tap it, then hit install.

APP SETUP

When first launching the app, users will be greeted with a series of setup pages.

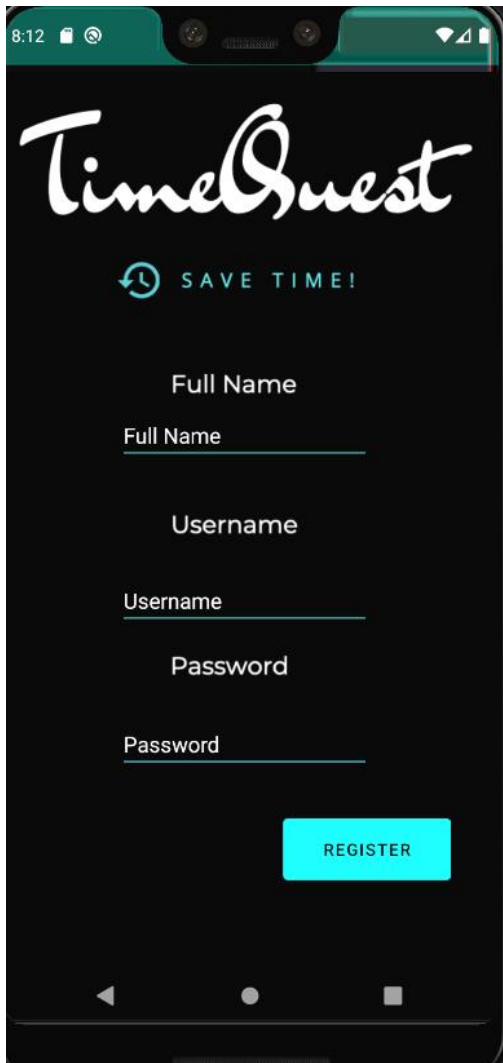
Login screen

The login screen allows the user to sign in into his account to be able to access the app. He must enter his email in the username text field and his password underneath. After entering the required data just tap the login button. If a user does not have an account and is new to the app, he can also sign up.



Sign up

The user is required to enter his name, username and password to create an account and can tap the register button to continue the setup process.

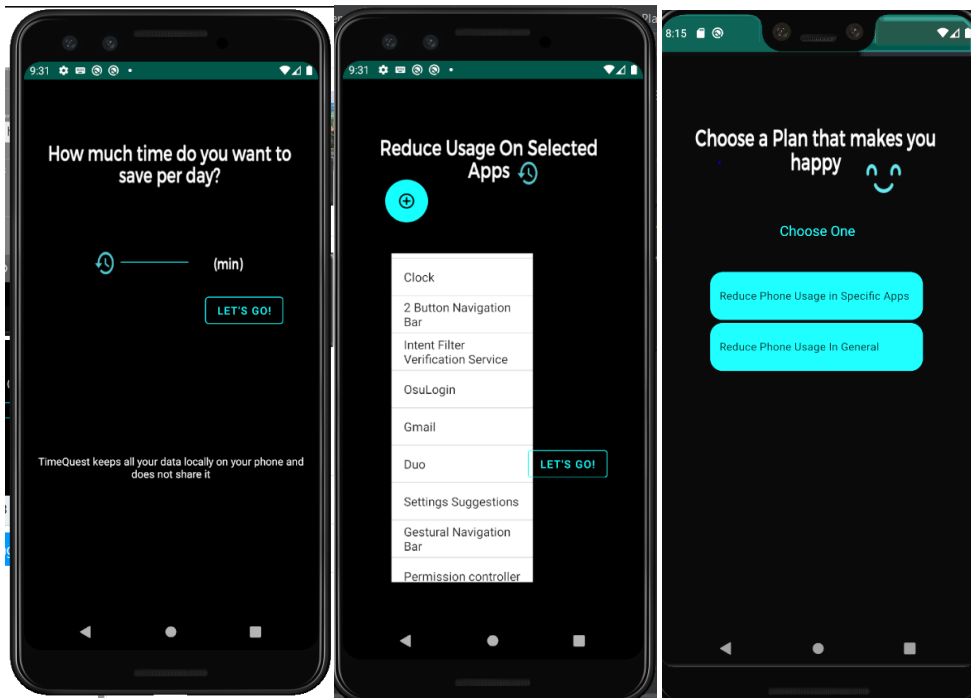


The screenshot shows the 'TimeQuest' mobile application's sign-up screen. The app's logo, 'TimeQuest', is displayed in a white script font at the top. Below the logo is a teal circular icon with a clock face and the text 'SAVE TIME!'. The screen features three input fields: 'Full Name', 'Username', and 'Password', each with a corresponding label above it. A teal 'REGISTER' button is positioned at the bottom right of the form. The background is dark teal. The top of the screen shows a status bar with the time '8:12' and various icons. The bottom of the screen shows the Android navigation bar.

Usage limit

This page gives the option to choose one of the two usage limits: Limit total usage and limit by app.

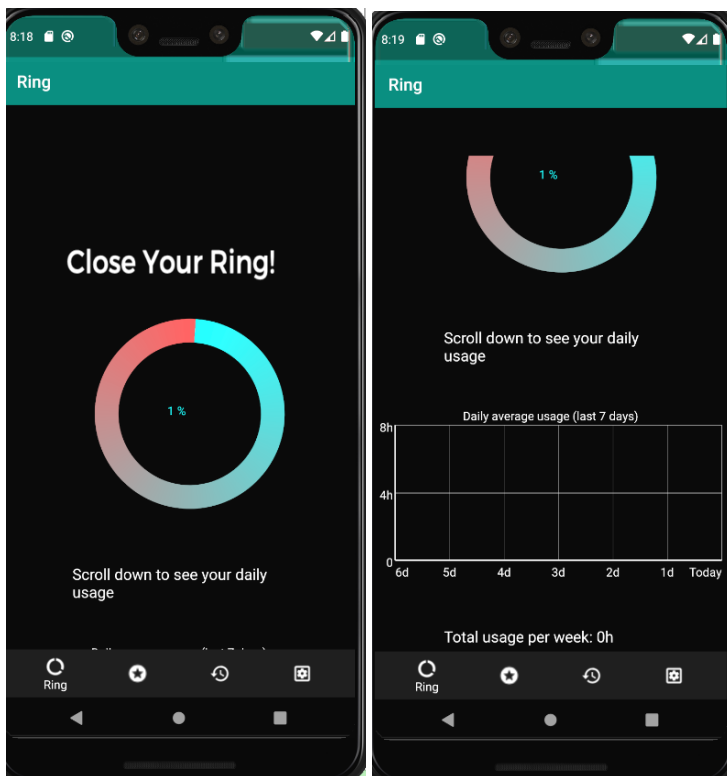
Choosing the first option by tapping on it brings a page that prompts the user to enter the time he wants to save. Once a time is chosen, tap the “Let’s go” button. If the second option is chosen, then a page with the list of all apps shows up prompting the user to choose from the list of apps installed on his phone and once done, tap the “Let’s go” button.



STEP-BY-STEP PROCEDURES

Checking today's usage

1. Open the application through the emulator or using an android phone. You will be greeted with the usage progress ring for the day. Scrolling down will bring a more detailed graph of the daily usage throughout the week and the average usage per week.



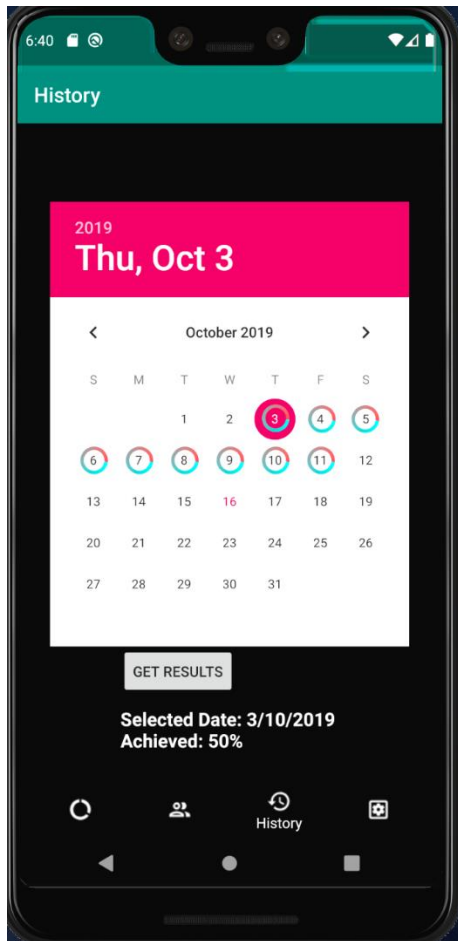
View earned rewards (trophies)

1. Tapping the “awards” icon on application tab in the bottom will take you to the awards page where all your earned rewards will appear. Trophies that are grayed out are awards that users still have not earned.



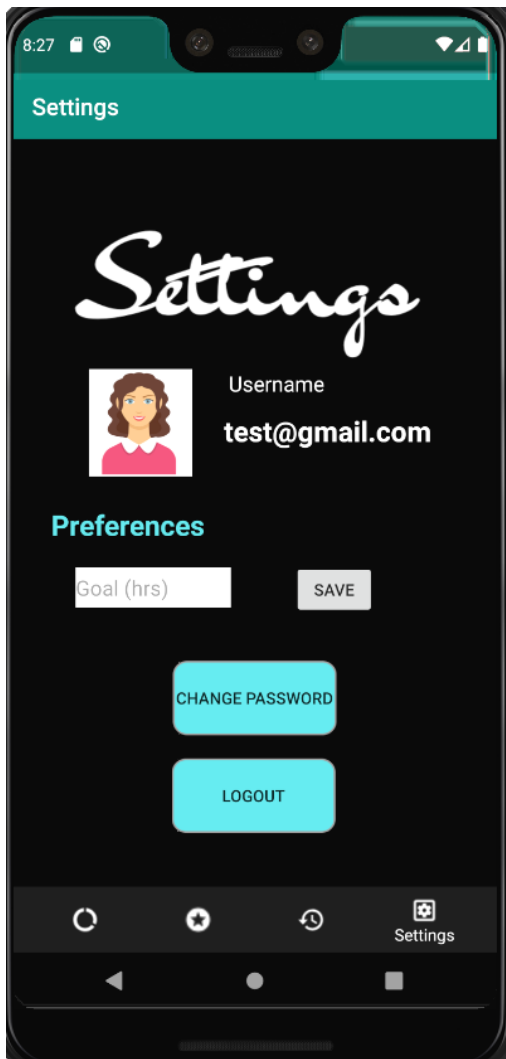
Viewing a detailed daily usage history

1. Tapping the “history” icon on application tab in the bottom will take you to the history page where you’ll see a calendar with the ring’s progress for each day in the past.



Changing settings and logging out

1. Tapping the “settings” icon on the application tab in the bottom will take you to the settings page where users can change their password, edit their usage goal by entering it in the text box and clicking on save and logout out of their account.



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