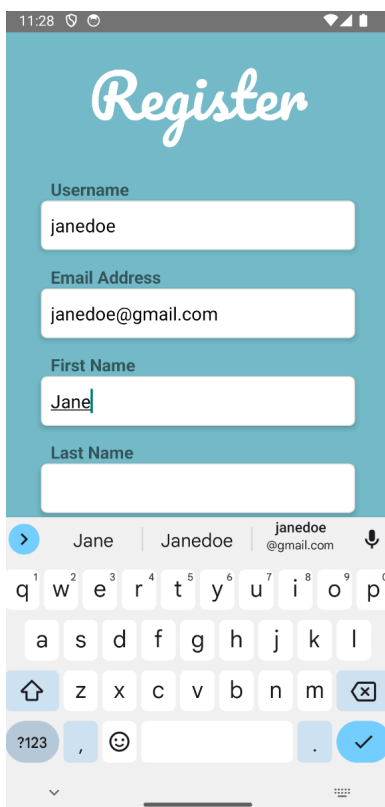# GreenGrub: Android Application for Sustainability and Nutrition Tracking

Discover the sustainability and nutrition ratings of everyday food items with ease, track your scores, and challenge friends to a friendly competition! Enhance your knowledge with quizzes on various sustainability subjects and earn extra points. For the best experience, follow the provided setup instructions. Should you encounter any problems, the Troubleshooting section outlines the common fixes!
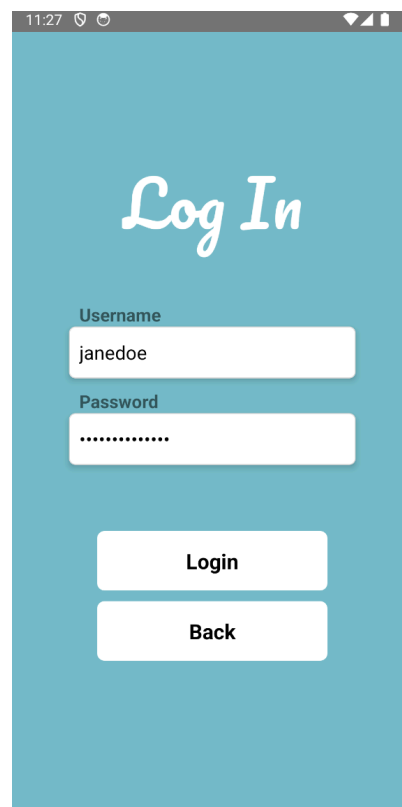
Setup

1. Download the application on Google Play Store or look for the downloaded application on your phone by typing GreenGrub in the search bar.
2. On the start screen upon seeing the two buttons Login and Register, click on Login if you have an account already or Register to create a new account.

Fill your information to register in the application.

Log in using your account information.

Dashboard and Leaderboard

Upon login or registration you will see the dashboard screen showing your sustainability score. If you have added friends, click on "See the Leaderboard" to see how you compare against your friends
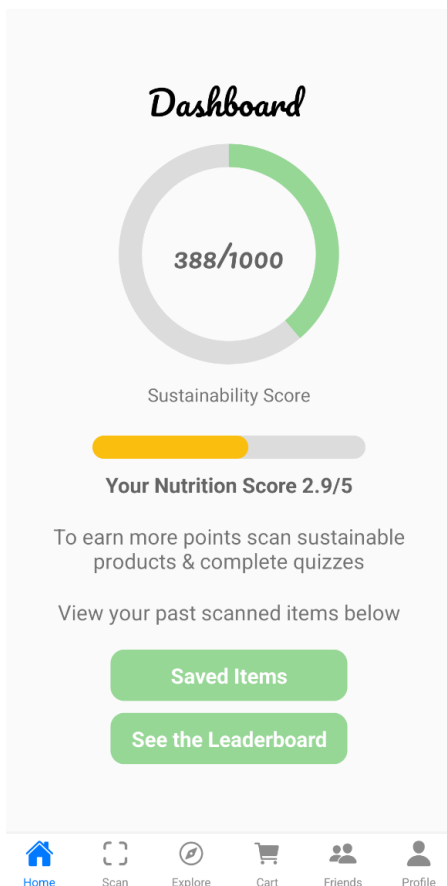
Dashboard screen. Click on the scores
for more information and on "See the leaderboard"
for the leaderboard including your friends.

Scanning Items

1. If you wish to create a cart to group together item for a particular occasion, event or category, find the Cart icon on the bottom navigation bar.
2. The Cart view will have options to explore the previously completed carts or create a new cart. To create a new cart click on "Create Cart" and rename the cart to describe it.
3. You can choose to scan items right in the cart by clicking "Scan Items to Add" or navigate to "Scan" icon in the navigation bar.
4. Show the product barcode in the camera and the window will pop up. Click on "Retake" if you wish to retake the scan of the barcode. Click on "Add to Saved Items" if you wish to add the

product to Saved Items without adding it to cart. If you previously have created the cart then you will also see the option "Add to Cart". Click on this button if you wish to add the item to the cart.
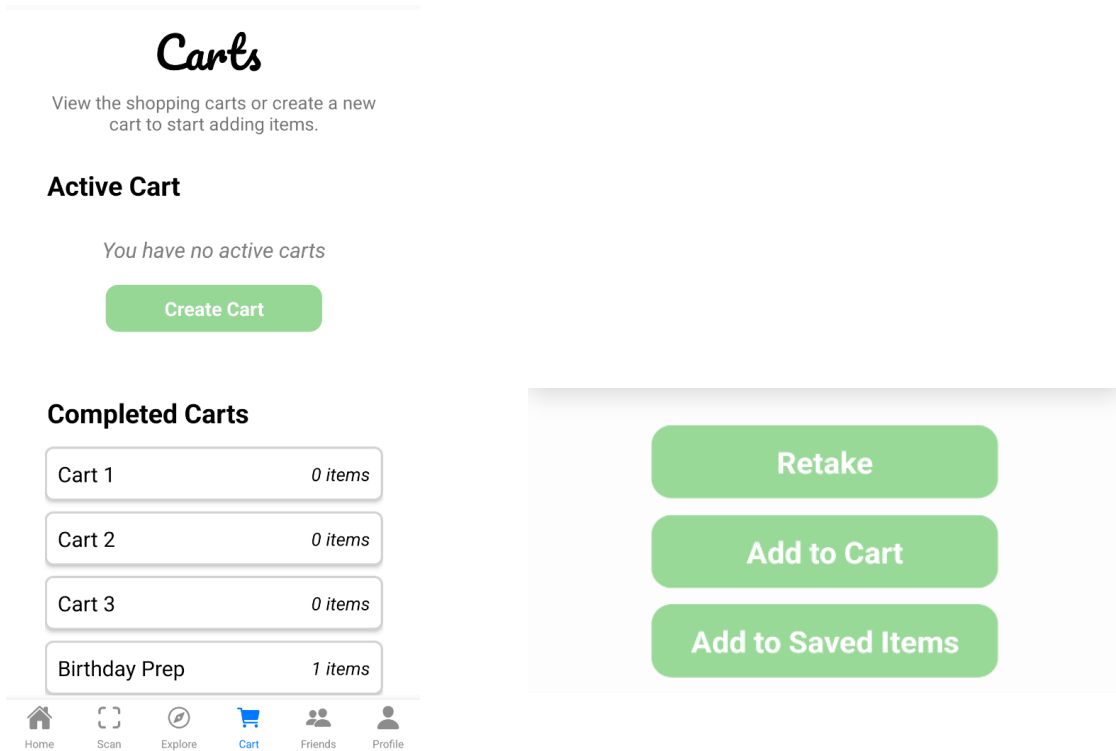

Cart view upon selecting Cart icon in the navigation bar.
Click on "Create Cart" to create a cart.

After scanning the items you have three options: retake the scan, add to the previously created cart or add to saved items.

Adding Friends and Accepting Invitations

1. To view your friends click on "Friends" icon in the navigation bar. Click on any of your friends to see information about them or click "Unfriend" if you now longer wish to be friends in the applicaton.
2. Under "Invitations" will be shown any invitations for friend requests sent to you. Click on the green button to accept the invitation, red button to decline the invitation and on the friend to view more information about them.
3. To add a friend click on the "Add Friend" button in the top right corner.
4. After adding friends, the friend's usernames and scores will show up in the Leaderboard view.
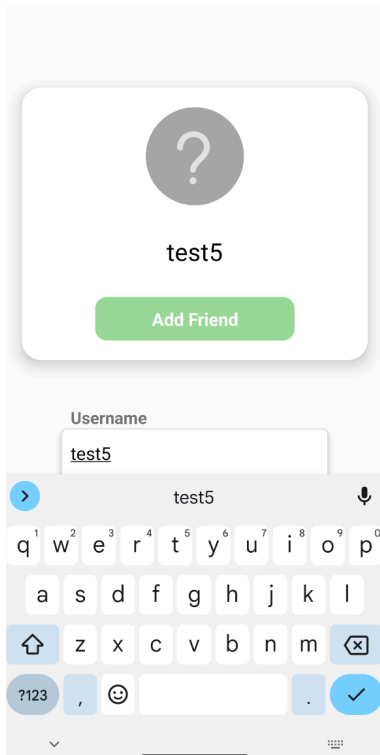
In the Add Friend view type your friend's username and click on "Add Friend" to add them to your friends. Upon succesful friend request sent "Friend request sent succefully" will be shown.

Completing Quizzes

Completing quizzes earns you points in the overall sustainability score and each correctly answered question increases your score by 10 points.

1. To navigate to Quizzes view click on "Explore" icon in the navigation bar. You will see different topics for the quizzes.
2. Click on a topic to see not yet completed quizzes.
3. Pick a quiz and click on it. Answer the questions to the best of your knowledge. After the selected answer the explanation and "Learn More" link will be presented. Click on "Next Question" to continue.
4. After 6 questions have been answered, you will be presented with the results. If you correctly answered 4 questions you will have passed the quiz and if you got below it, you will not have passed the quiz.
5. Click on "See Quizzes" to go back to quizzes. Explore new quizzes or view the completed quizzes again to see how many questions you had got correctly.

Edit Account Information and Log Out

To change any information regarding your account or update the password, click on "Profile" icon in the navigation bar. Fill out the updated information, create a new password or update the image, then click on "Update" and your information will be updated.

In the same view you have the option to log out by clicking "Log Out".

Troubleshooting

When there is an issue with the camera when scanning the food items, close the application and start it again.

When scanning items and for a valid barcode you see the popup "Product not found", scan again and hold the barcode steady for the camera to capture it correctly.