GeoDetective
User Manual

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Group 23

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1. Introduction

Welcome to GeoDetective, a captivating app designed to assist new residents, students, and employees in familiarising themselves with their new surroundings in an enjoyable and interactive manner. This user manual will provide you with comprehensive, step-by-step instructions on how to make the most of the app, including setting up an account, navigating through its features, participating in quests, and creating personalised quests for others to enjoy.

GeoDetective brings people together, whether they are new employees joining a company, eager students starting their journey at TU/e, or locals seeking a fun, novel way to rediscover their city. The app serves as a tool for companies and universities to welcome newcomers and foster a sense of community and belonging. By engaging in quests, users can explore their new environment and form lasting connections with their peers.

Within GeoDetective, users can assume various roles, such as players who participate in quests or creators who develop engaging challenges. New students can take on the role of players, immersing themselves in the city and campus life by finding specific locations based on provided images. They can then upload a photo of their own to verify the discovery and check for a similar location. Organisers of introductory weeks or student teams can act as creators, designing meaningful and entertaining quests. Our administrators oversee the app's content and monitor its usage, ensuring a seamless and enjoyable experience for all users.

This user manual will guide you through every aspect of GeoDetective, allowing you to dive into an adventure of discovery and connection with your new city, campus and community.

2. Getting Started
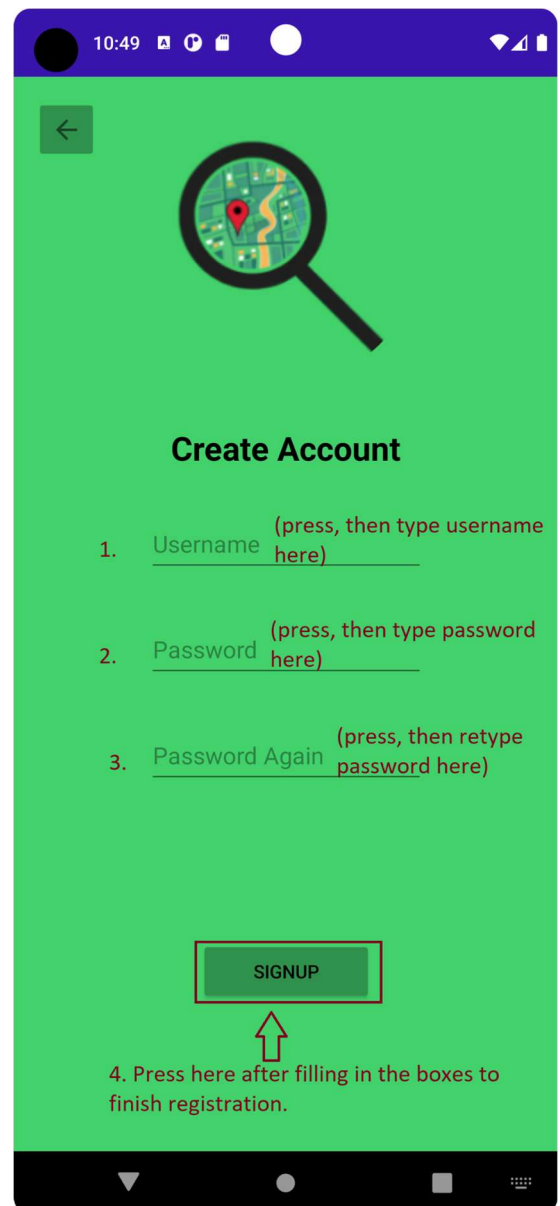
2.1. Installing the App

GeoDetective is not available for download on the Google Play Store, so an .apk file will be provided to the user via official communication channels (Whatsapp / Discord). To install the app using the .apk file, it may be required to enable the option of installing apps from unknown sources in the security settings of your Android device.

2.2. Creating an Account

To create a new account, follow these steps:

1. Open the GeoDetective app.
2. Accept any permission requests that might pop up (whenever prompted).
3. Click on "Register".
4. Fill in the required information (username, password). Make sure you choose a strong password, that respects the following restrictions: the password shall have 5 or more characters, shall contain at least one letter, shall contain at least one number, and shall contain at least one special character. **Note that both username and password are case-sensitive!**
5. Click "SIGNUP".
6. If a warning stating that a condition was not met is displayed, then the password does not meet the requirements. In this case, the user should create a stronger password that adheres to the specified criteria and try to SIGNUP again (Go to Step 4, then Step 5).

2.3 Logging in to your Account

Once you have created your own account, follow these steps to log in to the app:

1. Open the GeoDetective app.
2. Accept any permission requests that might pop up (whenever prompted).
3. Enter your username into the Username field on the login screen.
4. Enter your password into the Password field on the login screen.
5. If you enter your username incorrectly and it is not found in the database, "Username not found in Database" is shown, recheck the username for spelling errors. Retype your username and make sure the password is also correct.
6. If the warning "Incorrect Password" is shown, delete and then retype your password correctly, make sure your username is also typed in correctly.
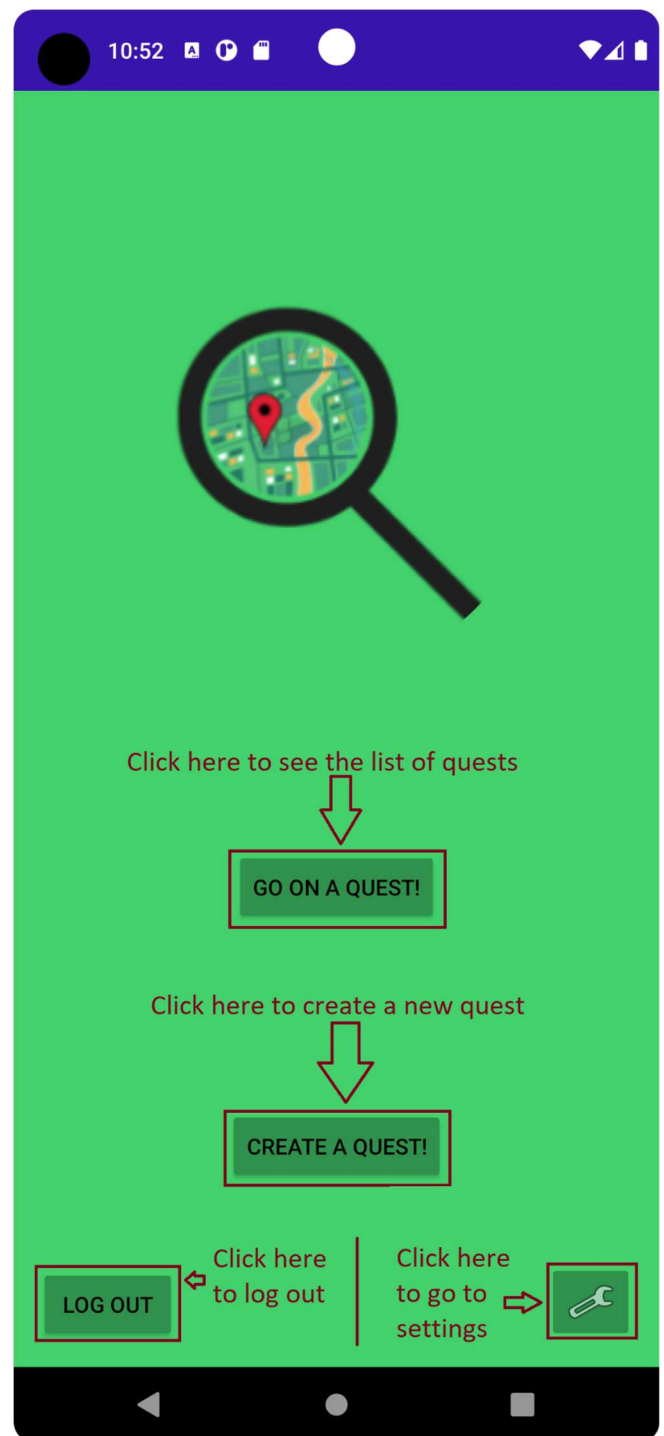7. If any warning persists, go to Troubleshooting and Support.

3. Navigating the App

3.1. Main Menu

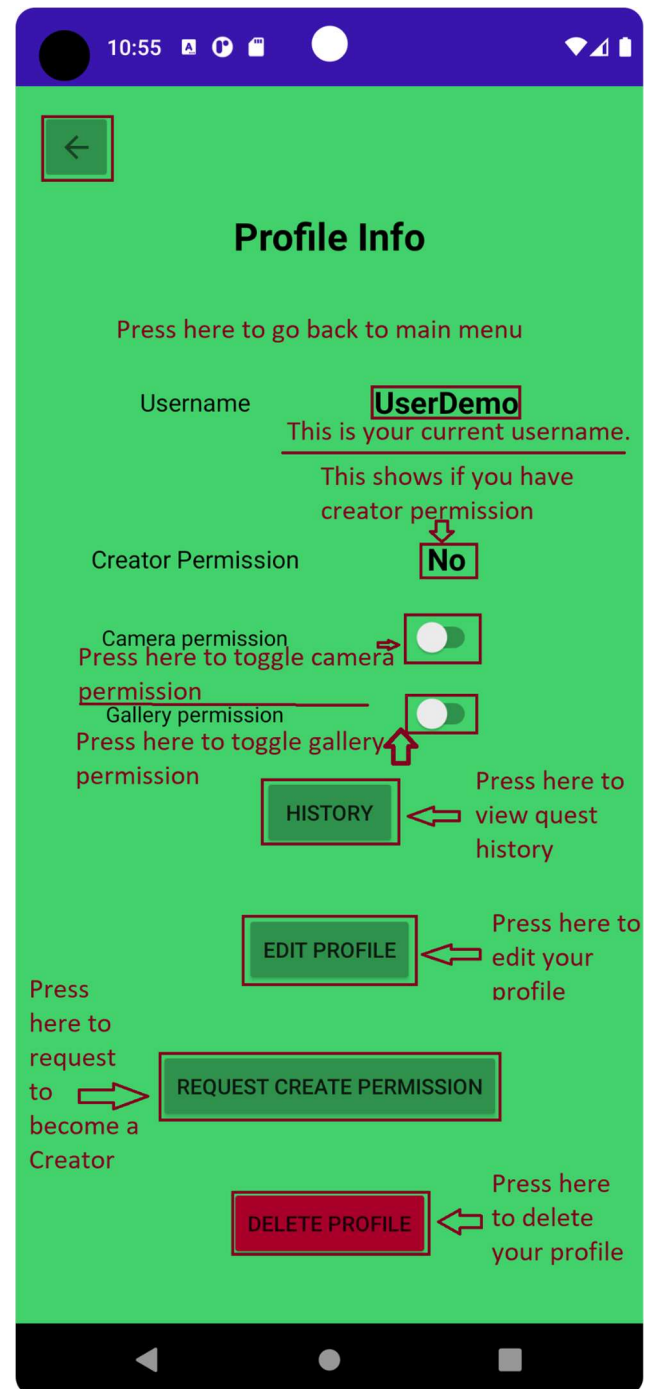The main menu offers access to the following features:

1. Go on a quest: Browse and participate in quests created by other users.
2. Create a quest: Design your own quests for others to complete.
3. Settings: View and edit your user profile.
4. Log Out: Log out of your account and return to the login page
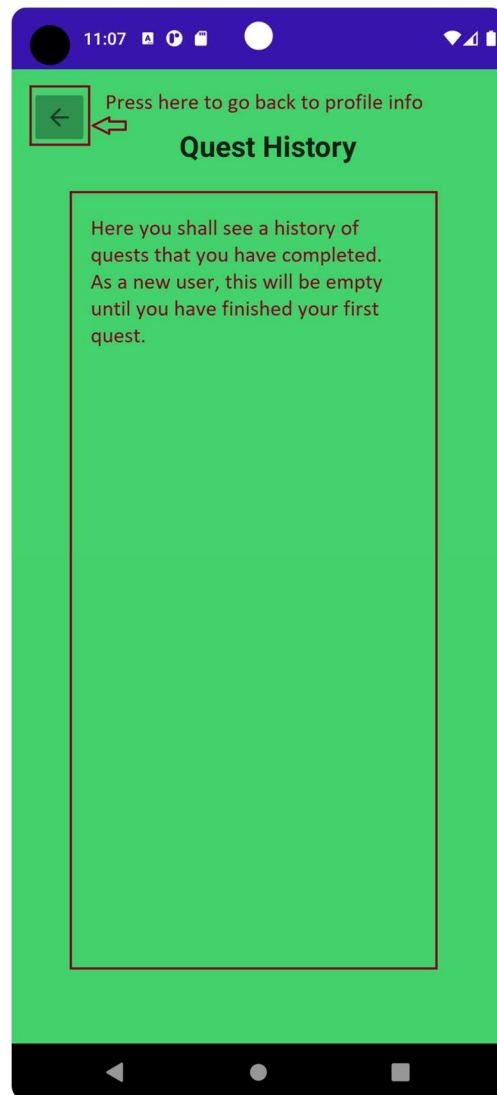
3.2. Profile Info

In the Settings page, you can:

1. View your history of completed quests. (Explained in section 3.2.1)
2. Edit your profile (Explained in section 3.2.2)
3. Delete profile. A pop-up will appear to confirm your choice.
4. Request to become a Creator: Sends a request to the database to be granted creator access, this will be reviewed and accepted/declined manually by the application admins
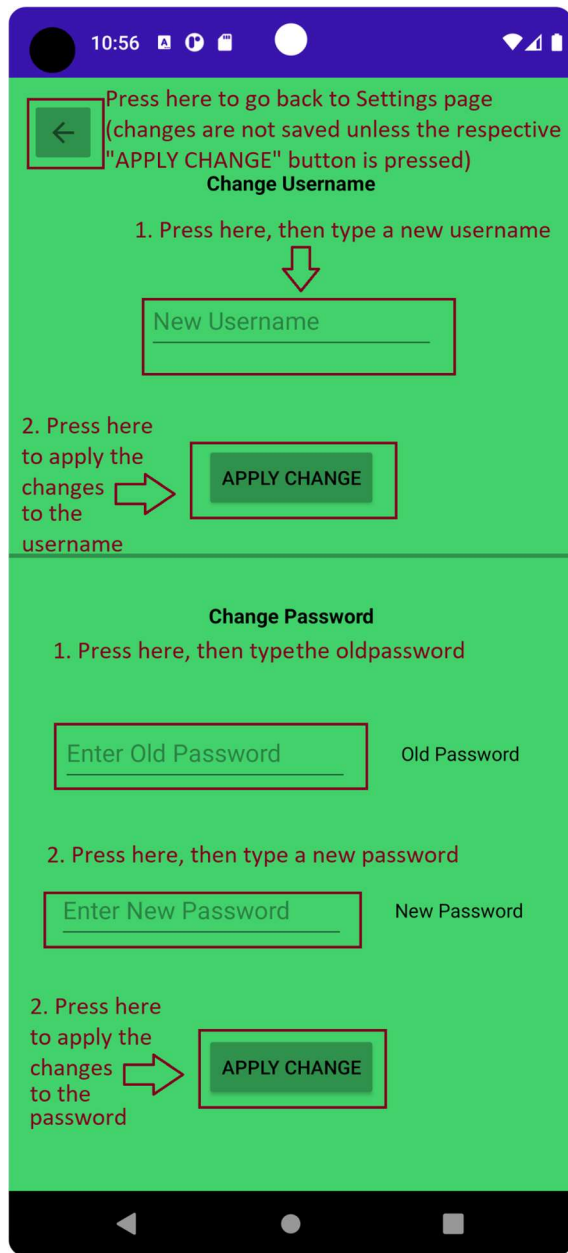5. Camera and Gallery access permissions can be toggled on and off with the switches on the profile page.

3.2.1. History of completed quests

Here, you can see all the quests that you have completed. You will be able to see the name of the attempted quest, the date and time it was attempted as well as information whether or not the quest was failed or completed successfully.

3.2.2. Edit profile

Here, you can edit your profile details, and change your username and password. Just like the register screen, the username must be unique and the new password must comply with the password specifications previously mentioned. Note that if you change your username, all your previous quest attempts will be deleted, your created quest however will not and the creator name on the quest will be updated too.
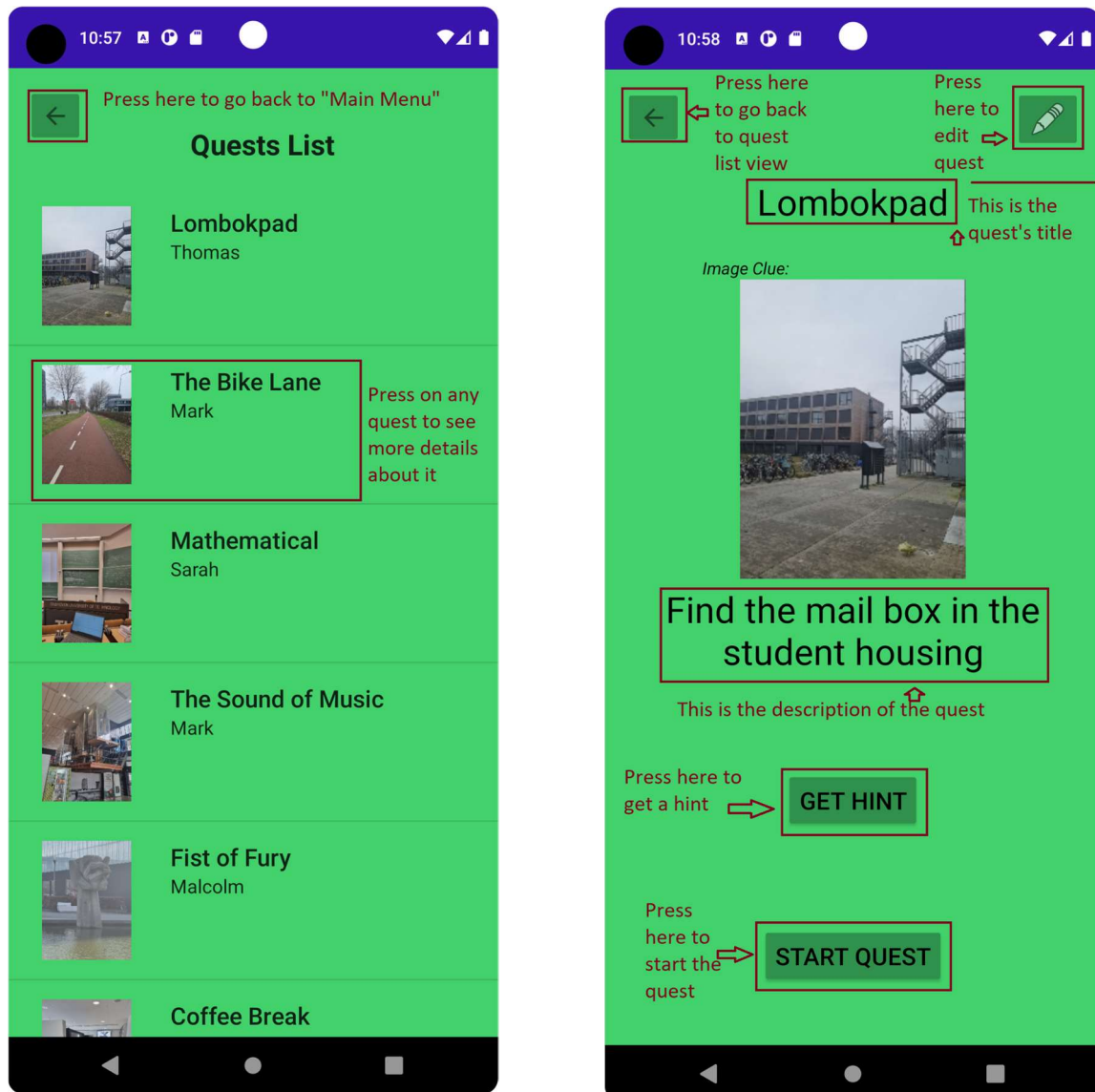
4. Playing GeoDetective

4.1. Playing Quests

To participate in a quest, follow these steps:

1. From the main menu, click "GO ON A QUEST!"
2. Browse the available quests.
3. Select a quest to view its details.
4. Click "START QUEST" to start the quest.
5. Use the provided image to locate the place in the city.
6. If you get stuck, click "GET HINT" for additional clues.
7. Once you've found the location, click on "FINISH QUEST" and then take a photo with your device's camera.
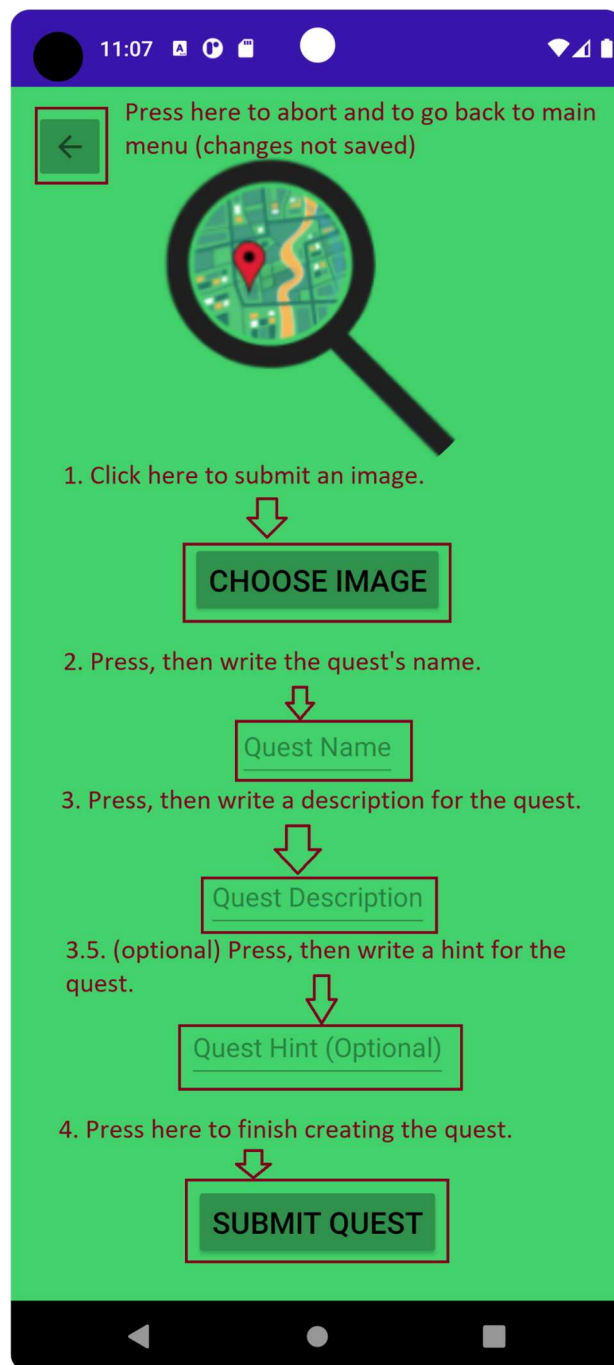
8. Your location will then be checked by the app and will result in either a pass or a fail.

4.2. Creating Quests

To create your own quest, follow these steps:

1. Make sure you have been granted Creator permission; if not, apply through Profile Page.
2. From the main menu, click "CREATE A QUEST!".
3. Enter a title and description for your quest.
4. Choose an image of the location you'd like users to find.
5. Upload the photo either from the camera or from the gallery.
6. Optional: add a hint.
7. Click "SUBMIT QUEST" to create the quest.

11:07

Press here to abort and to go back to main menu (changes not saved)

←

1. Click here to submit an image.

⇩

CHOOSE IMAGE

2. Press, then write the quest's name.

⇩

Quest Name

3. Press, then write a description for the quest.

⇩

Quest Description

3.5. (optional) Press, then write a hint for the quest.

⇩

Quest Hint (Optional)

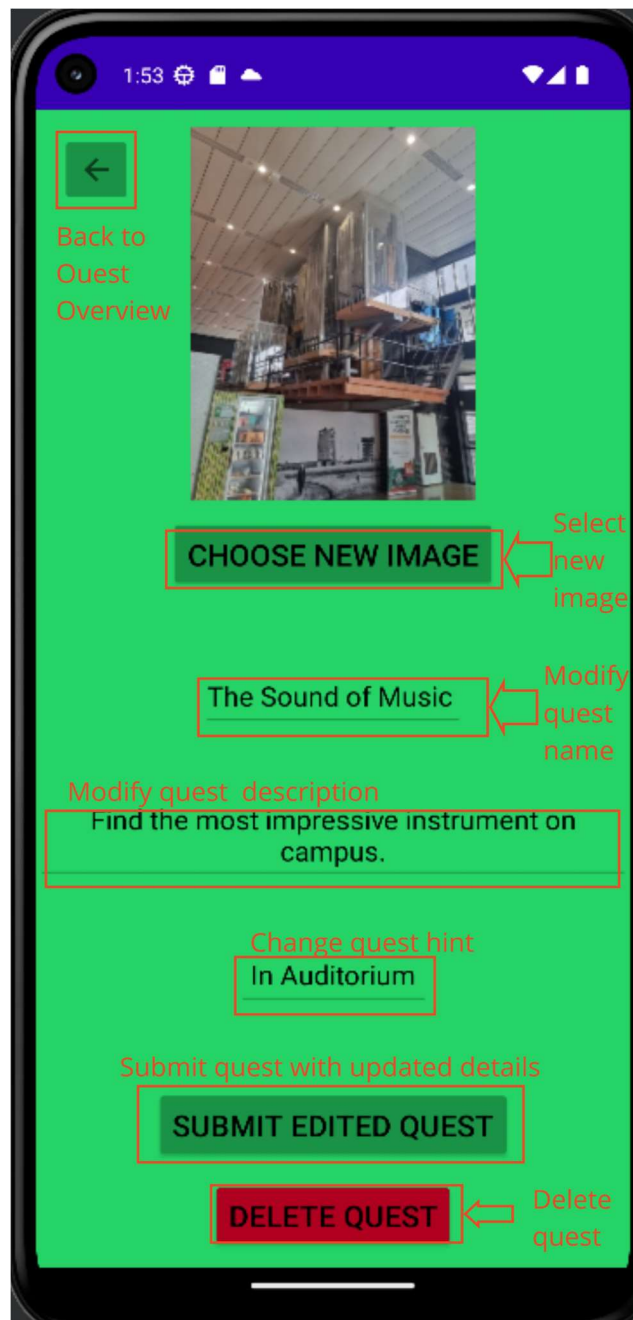4. Press here to finish creating the quest.

⇩

SUBMIT QUEST

4.3. Editing Quests

To edit a quest (to do this the user must have creator permission), follow these steps:

1. First open a quest from the quest list, and click on the pencil icon in the top right corner of the screen.
2. Now you can update the quest by replacing the quest image, name, description or hint. Once done, press "Submit Edited Quest" to update the quest details. The quest location can not be altered. (Note, if the quest name is changed, all attempts made by users on the quest so far will be deleted.

3. By pressing "Delete Quest" at the bottom of the screen the quest can be permanently deleted.

5. Troubleshooting and Support

If you experience any issues while using GeoDetective, please follow these steps:

1. Ensure that your device has an active internet connection and GPS enabled. Be aware that if either of these features is disabled, an error

message will appear, and you won't be able to use the app until they are both activated.

2. Close and restart the app.
3. Restore permissions.
4. Uninstall and reinstall the app. (Your progress will be saved!)

If the issue persists, please contact the GeoDetective support team through the app or by emailing help.geodetective@gmail.com .

6. Conclusion

GeoDetective is an innovative and engaging way to explore a city and learn about important locations around it. By following the steps outlined in this user manual, you'll be able to navigate the app with ease and participate in quests created by other users, or create your own for others to enjoy. Happy exploring!