

UTGuessr Final Release

Group Information

Group number: 9

Members: Alex Lu, Teresa Luo, Tara Roshan, and Megan Sickler

Project name: UTGuessr

Application Information

Swift version: Apple Swift version 5.9

Xcode version: Version 15.0.1

Frameworks used: FirebaseCore, FirebaseAuth, FirebaseFirestore, FirebaseStorage, UIKit, MapKit, CoreData, AVFAudio, Foundation

Special instructions:

Please use Xcode version 15.

If you'd like to use an existing verified email account, try:

Email: teresa@luo.com

Password: password

Major Features Table

Feature	Description	Planned	Deployed	Explanation of Deviation	Contribution Percentages
Splash Screen background caching	Pulls all images and locations from Firestore and caches them locally to improve query speed for gameplay.	Final	Final		Alex Lu (50%), Teresa Luo (50%)

Gameplay	Used MapKit to show UT map. Added map annotations and calculate score using distance from user's guess to actual photo location. Stored the images and locations in a local cache to make querying almost instantaneous.	Alpha	Alpha		Alex Lu (50%), Teresa Luo (50%)
User Signup and Login	Use FirebaseAuth to register and sign-in users.	Alpha	Alpha		Megan Sickler (100%)
Upload Location	Uses user's camera and location to upload to the database.	Beta	Beta	To play with images that you've uploaded, you need to kill the app (we didn't expect users would want to immediately play with their uploads).	Alex Lu (50%), Teresa Luo (50%)
User Profile	User able to edit profile picture, profile name (as long as it's not already in use). Can see contribution level through contributor badges.	Beta	Beta		Teresa Luo (50%), Tara Roshan (50%)

Leaderboard	Uses FirebaseFirestore to pull top user rankings in a Table View.	Beta	Beta		Teresa Luo (100%)
Navigation UI	TabBarController set up to navigate between Views. Shows confirmation popup before switching from game tab.	Alpha	Alpha	Popup for gameplay added in Beta.	Tara Roshan (100%)
Sound Effects	Clicking sound effects for pressing on app buttons. Countdown sound effects. Pin sound effects for pinning a location on the game map.	Beta	Beta		Megan Sickler (100%)
Light/Dark Theme	User can toggle between different themes, altering the appearance of the app to their preference.	Beta	Beta		Megan Sickler (100%)
Email Verification	Users must verify the email they signed up with in order to use the app.	Final	Final	It may take 5-10 seconds for firebase to update the verification state of the email. Also, email verification doesn't work with utexas	Alex Lu (100%)

				accounts (we assume due to UT's filtering policy).	
Location Contribution Verification	Confirm user location is within UT campus bounds for image upload.	Final (stretch)	Final		Alex Lu (100%)