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WEATHERWATCH

Hello and welcome to the documentation of Project WEATHERWATCH. This document should help you getting started with the project. Before we discuss the project in detail, you have to do some work.

This project needs a valid API key for retrieving weather data. As a provider, we decided to choose weather underground. The next section will show you how to get a API key which is completey free of charge.

After that we will show you how to set up the project.

WEATHER UNDERGROUND API KEY

WeatherWatch makes use of weather underground's weather services. To get the weather data, you need to register at weather underground and get an API key. Don't worry, it's free (at least if you choose the correct abonnement). Open up your favourite browser and navigate to

<https://www.wunderground.com/weather/api/d/pricing.html>

API | Weather Underground

Weather Maps & Radar Severe Weather Photos & Video Community News More

GET YOUR API KEY

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Customize a plan that suits your needs: TOTAL: \$0 USD per month Purchase Key >>

STRATUS PLAN	CUMULUS PLAN	ANVIL PLAN
Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today	Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today	Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today
	10-day forecast summary Hourly 1-day forecast Satellite thumbnail Dynamic Radar image Severe alerts Tides and Currents Tides and Currents Raw Severe alerts	10-day forecast summary Hourly 1-day forecast Satellite thumbnail Dynamic Radar image Severe alerts Tides and Currents Tides and Currents Raw Severe alerts
		Hourly 10-day forecast Yesterday's weather summary Travel Planner Webcams thumbnails Dynamic animated Radar image Dynamic animated Satellite image Current Tropical Storms

History Add-On?

Get in touch if you would like access to our history data.

How much will you use our service?

	Monthly Pricing	Calls Per Day	Calls Per Minute
<input checked="" type="radio"/> Developer	\$0	500	10
<input type="radio"/> Drizzle	\$300	5000	100
<input type="radio"/> Shower	\$600	100,000	1000
<input type="radio"/> Downpour	Get in touch for more than 100,000 calls per day.		

Your Selected Plan: Anvil Developer Purchase Key >>

Monthly Pricing**	Calls Per Day	Calls Per Minute	+ History	TOTAL
\$0	500	10	Not Included	\$0 USD per month

Still need more weather data?
Get in touch to customize your API even further.

Choose „Anvil Plan“ and click „Purchase Key“. Register with weather underground by creating an account.

The screenshot shows the Weather Underground website's registration page. The browser's address bar displays 'https://www.wunderground.com/member/reg'. The page features a navigation bar with links like 'Karten & Radar', 'Unwetter', 'News & Blogs', 'Fotos & Videos', and a 'Search Locations' bar. Below the navigation bar, there's a section for 'Popular Cities' with weather updates for New York, London, Chicago, Boston, Houston, and San Francisco. The main content area is split into two columns: 'Create an Account' on the left and 'Member Sign In' on the right. The 'Create an Account' section includes fields for Email, Username (with a note 'numbers and letters only'), and Password (with a note '5-30 characters' and a 'Show' link). Below these fields are two checkboxes: 'I agree to the Terms of Service' and 'I would like to receive WU updates via email'. At the bottom of this section are two buttons: 'Basic - Free' and 'Premium - \$10/yr'. The 'Basic - Free' button lists features: 'Upload Photos', 'Post Blogs', and 'Post Comments'. The 'Premium - \$10/yr' button lists features: 'AD FREE Websites', 'AD FREE Mobile Apps', 'AD FREE Emails', and 'Longer Radar Loops'. The 'Member Sign In' section includes fields for Email and Password, a 'Forgot your password?' link, and a 'Sign In' button. A link 'Looking for Facebook?' is also present. The footer contains a grid of links: 'About', 'Our Apps', 'Site Map', 'Contact', 'Weather API', 'Feedback', 'Jobs', 'Full Screen Weather', 'Terms of Use / Privacy', 'News', 'Personal Weather Stations', and 'AdChoices'. The footer also includes the Weather Underground logo, copyright information '© Copyright 2016 The Weather Company, LLC', and logos for 'The Weather Company', 'The Weather Channel', and 'WU'.

Sign up / Sign in | Weathe... X +

https://www.wunderground.com/member/reg

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WEATHER UNDERGROUND | Karten & Radar Unwetter News & Blogs Fotos & Videos More Search Locations

Popular Cities

New York, NY 28.5 °C Heiter

London, UK 14 °C Heiter

Chicago, IL 24.2 °C Teils Wolkig

Boston, MA 24.3 °C Heiter

Houston, TX 28.3 °C Wolkig

San Francisco, CA 12.2 °C Teils Wolkig

Create an Account

Email

Username (numbers and letters only)

Password (5-30 characters) Show

☐ I agree to the [Terms of Service](#)

☐ I would like to receive WU updates via email

Basic - Free

- Upload Photos
- Post Blogs
- Post Comments

Premium - \$10/yr

- AD FREE Websites
- AD FREE Mobile Apps
- AD FREE Emails
- Longer Radar Loops

Member Sign In

Email

Password

[Forgot your password?](#)

Sign In

[Looking for Facebook?](#)

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News Personal Weather Stations AdChoices

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The Weather Company An IBM Business The Weather Channel wu

https://www.wunderground.com/weatherstation/

You will be redirected to the previous page. Again, choose „Anvil Plan“ and click „Purchase key“. Now, fill in the next form which asks you about the API key's usage. Be sure to fill out every field. If you forget to fill a field, you will be prompted with an error. But more worse – the form will be emptied.

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https://www.wunderground.com/weather/api/ Suchen

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ALMOST THERE...

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Please complete the following questions to receive your API Key:

*All fields are required

Contact Name

Project Contact Email

Project Name

Project Website

Where will the API be used?
☐ Website ☐ Mobile ☒ Both ☐ Other

Will the API be used for commercial use?
☐ Yes ☒ No

Will the API be used for manufacturing mobile chip processing?
☐ Yes ☒ No

What country are you or your company based in?
Germany

Please select your country.

Please give a brief description of how you will be using our API
255 character max length (212 remaining characters...)

getting weather data for my own android app

☒ I understand that usage of the Weather Underground API requires proper attribution

☒ I agree to the [Terms of Service](#)

Purchase Key >>

Click on „Purchase Key“ and you are done! Congrats - you should see a page with your API key.

API | Weather Underground

https://www.wunderground.com/weather/api/

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GET YOUR API KEY

Analytics Key Settings Featured Applications Documentation Forums

Select a Key to Customize

Success! You have successfully subscribed to billing plan: Anvil Developer

Edit API Key

Key ID

Project Name

uas

Company Website

Contact Phone

Contact Email

Update »

Create a New Key

Regenerate API Key

Has your key been compromised? You can generate a new key.

Consequences

- You will need to change your apps to use the new key.
- Your statistics will be reset.
- This action cannot be undone.

☐ I understand the consequences.

Regenerate Key »

Billing Information

View your billing information:

- Modify
- Upgrade
- Downgrade
- Cancel

View Billing »

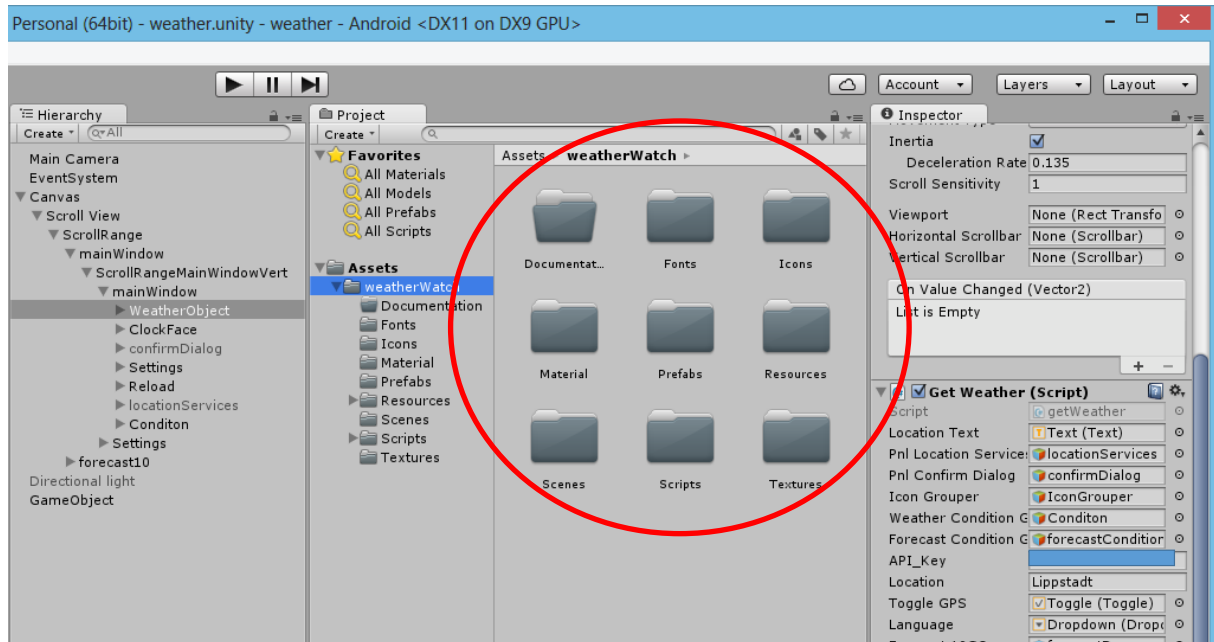
Customize a plan that suits your needs: TOTAL: \$0 USD per month **Purchase Key »**

STRATUS PLAN	CUMULUS PLAN	ANVIL PLAN
<ul style="list-style-type: none"> Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today 	<ul style="list-style-type: none"> Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today 	<ul style="list-style-type: none"> Geolookup Autocomplete Current conditions 3-day forecast summary Astronomy Almanac for today
	10-day forecast summary	10-day forecast summary

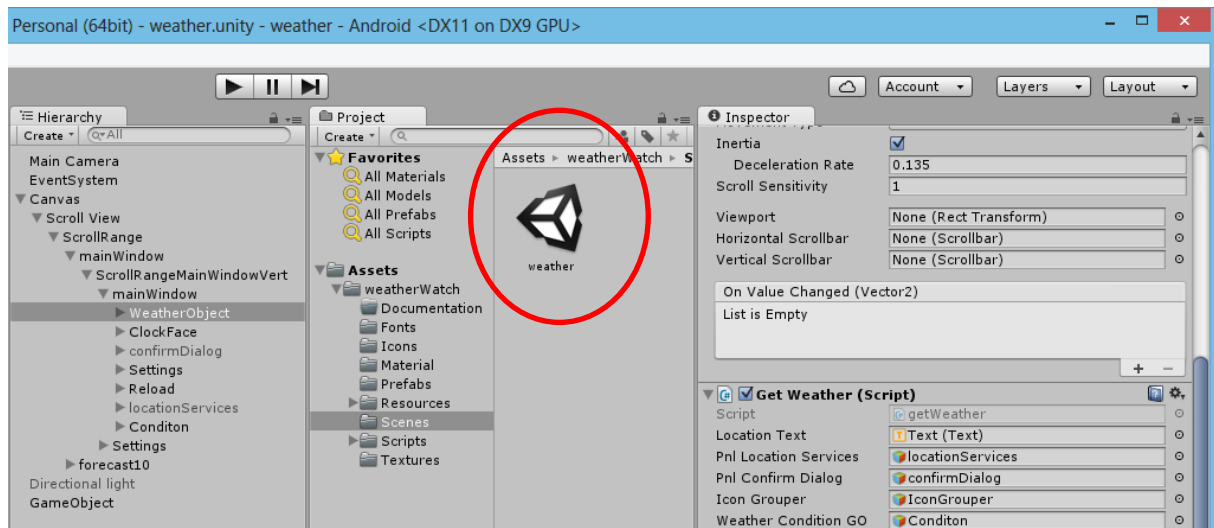
Your API key is a hexadecimal key in the form of „c3c430c146f4f750“. Now open up the project and enter your API key in the correct place.

THE PROJECT

Opening the project you will find the folder *weatherWatch*. This folder contains the project files.

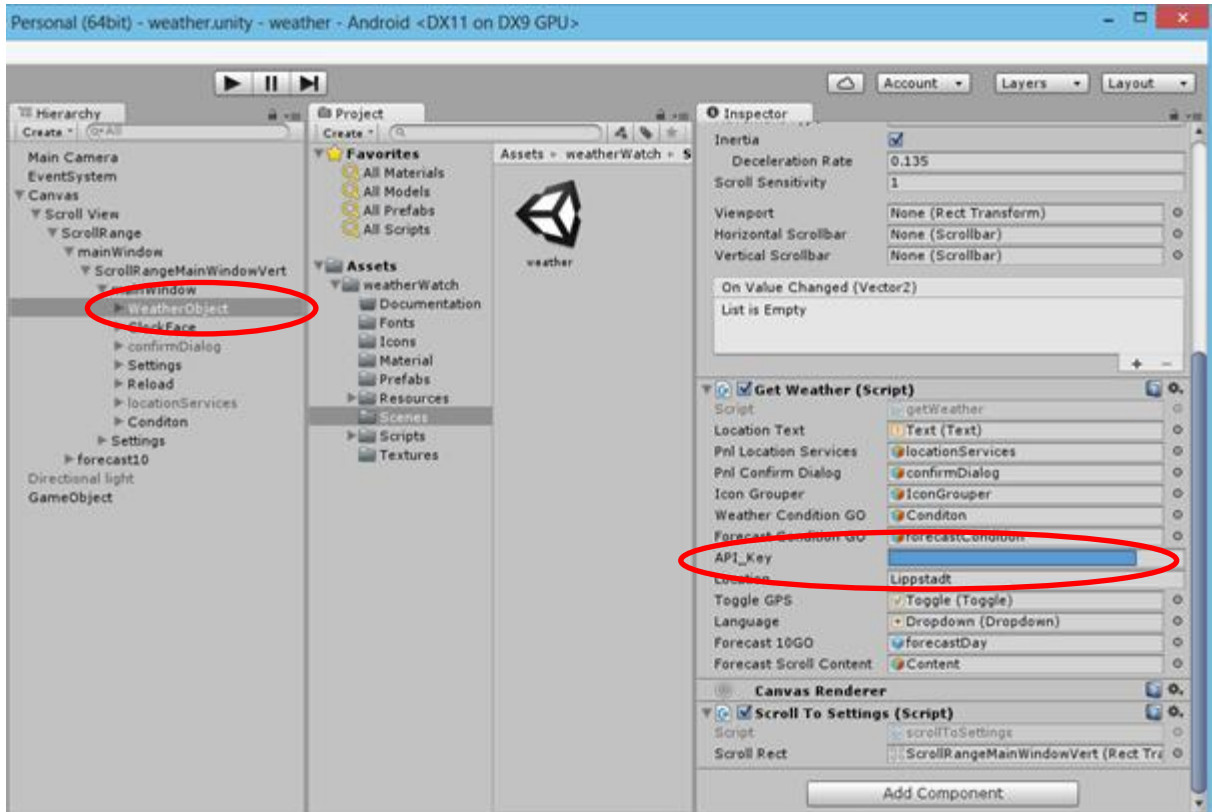


Most important in this structure is the folder *scenes* which contains the game scenes. You will see the scene *weather*. Double click the *weather scene* to open it.

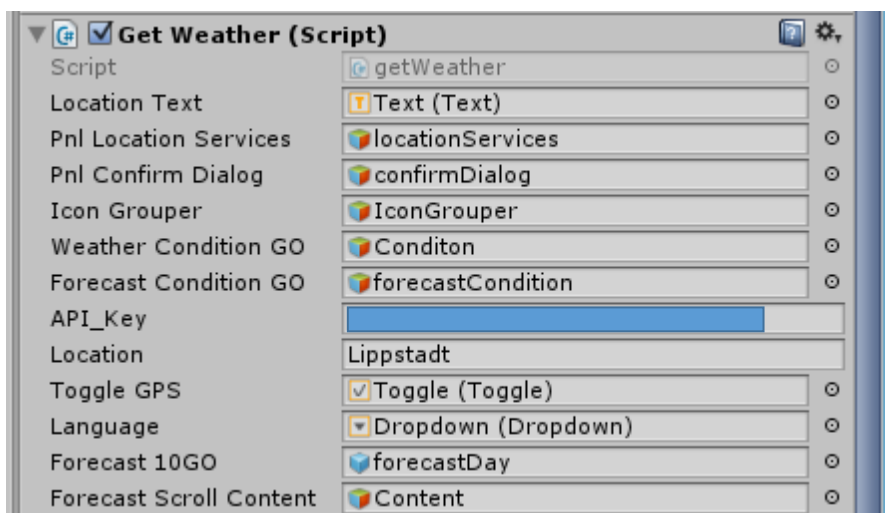


Weather Scene

The scene consists of GUI elements nested in nested Scroll views. To enter the API key, please open up the canvas and its child objects, until you see the weatherObject object. This is the main object on the start screen which reads the weather.



Have a look at the inspector. Attached to the weatherObject is the script getWeather. Here you find the place to enter your weather underground API key:

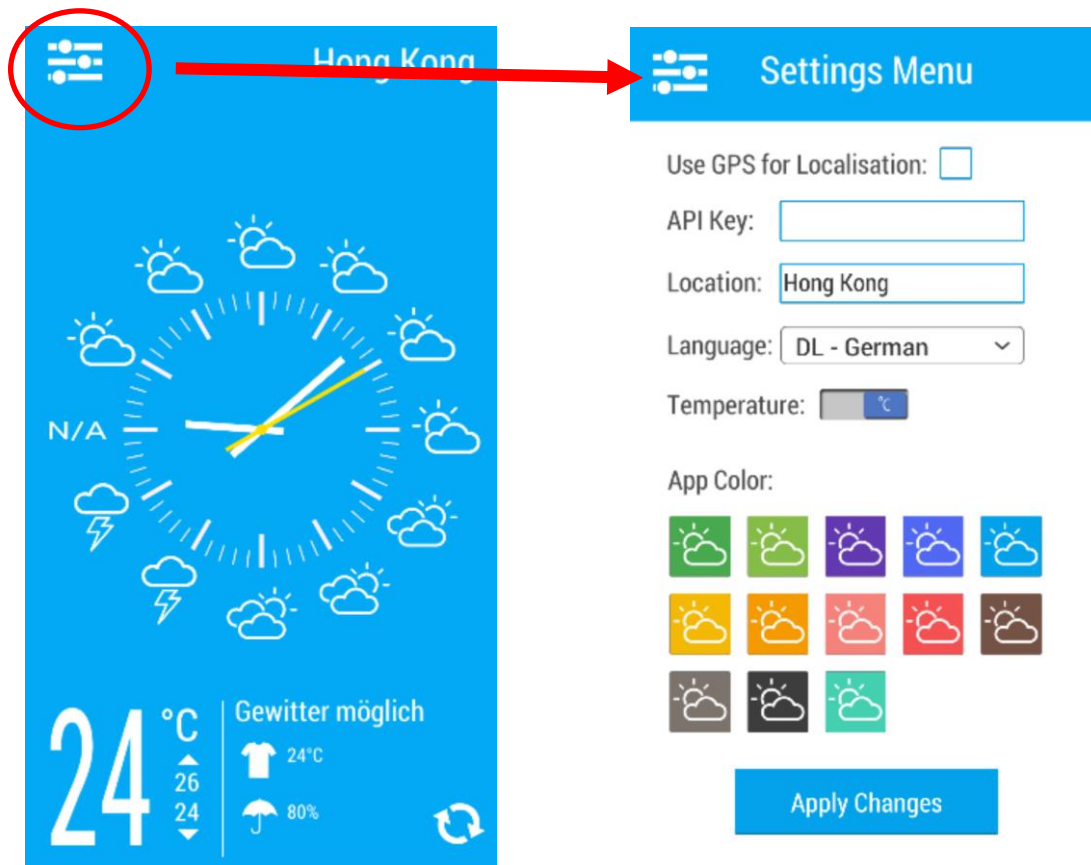


One you have done that, you can compile the project.

Working on mobile

If you work on android mobile devices, build your APK and start the app. If you start up, you might get some first-time error messages as you have to enter a city for weather lookup and your API key. You can enter the API key inside the settings window.

To open up the settings window, click on the settings icon in the top left of the main window or swipe the screen up.



Once you entered the API key and configured the app as you like, press the “Apply Changes” button to take the changes effect.