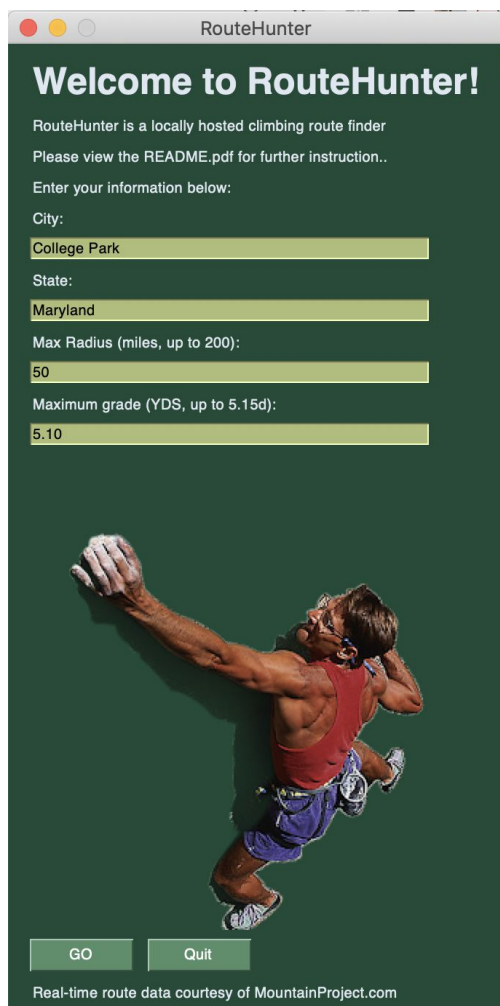


Running RouteHunter

1. If the zip file was extracted to Desktop, this is the command input to run the software:

```
routehunter — -bash — 80x24
Last login: Thu Dec 10 14:25:40 on ttys000
(base) Andrews-MacBook-Pro:~ andrewmcneil$ cd Desktop/routehunter
(base) Andrews-MacBook-Pro:routehunter andrewmcneil$ python routehunter.py
```

2. Entering the “python routehunter.py” command begins program, opening the UI:



This UI is built with the PySimpleGUI library

This is where the user can input their query request information. Not case sensitive.

Below you can find example inputs the UI will accept.

‘Go’ and ‘Quit’ buttons for starting a search and exiting the window, respectively

Source of data at bottom of window

3. After selecting “GO”, the program finds and curates a table of all the found routes, and will automatically open this dataframe in the user’s default browser:

Name	Location	Grade	Stars
Rock and Roll	[Maryland, Great Falls - Maryland Side, The Rocky Islands, Rocky Island, Rocky Island - North End]	5.7	5.0
Dancing Climb	[Virginia, DC & Northern VA Region, Boucher Rocks]	5.8	5.0
B-52	[Virginia, DC & Northern VA Region, Great Falls, Microdome]	5.9	5.0
M-80	[Virginia, DC & Northern VA Region, Great Falls, Microdome]	5.10+	5.0
Fifi	[Maryland, Carderock, Hades Heights]	5.10b	5.0
I Guess, I Just Don't Know	[Maryland, Vaso Island, Vaso Island, North Face]	5.12	5.0
Back Door Man	[Maryland, Vaso Island, Vaso Island, North Face]	5.10a	5.0
Ph.D. (Coffin Climb)	[Maryland, Great Falls - Maryland Side, Cupids Bower]	5.9	5.0
Twin Cracks	[Virginia, DC & Northern VA Region, Boucher Rocks]	5.9	5.0
Ferocious Layback	[Maryland, Camp Lewis / Lewis Rocks, Main Cliffs, Upriver Side of the Main Cliffs]	5.7	5.0
East Face	[Maryland, Camp Lewis / Lewis Rocks, East Face]	5.6	5.0
Post Doctorate	[Maryland, Great Falls - Maryland Side, Sherwin Island, Cupids Bower]	5.11b	5.0
Junior Horror	[Maryland, Camp Lewis / Lewis Rocks, Mam Cliffs]	5.7	5.0
Silver Scream	[Virginia, DC & Northern VA Region, Great Falls, Downstream Climbs]	5.10-	5.0
Dirty Dancing	[Virginia, DC & Northern VA Region, Boucher Rocks]	5.10+	5.0
Blitzkrieg	[Virginia, DC & Northern VA Region, Great Falls, Dr. Needlepoint]	5.11d	5.0
TROY	[Maryland, Great Falls - Maryland Side, Mather Gorge Maryland - Trojan Wall Area]	5.7+	5.0
The AAU Crack	[Maryland, Great Falls - Maryland Side, Spitzbergen]	5.10+	5.0
Crank Up	[Virginia, DC & Northern VA Region, Great Falls, Cornice]	5.10	4.7
Entropy	[Virginia, DC & Northern VA Region, Great Falls, Romeo's Ladder]	5.11-	4.5
Cornice	[Virginia, DC & Northern VA Region, Great Falls, Cornice]	5.7+	4.4
The Truth	[Maryland, Patapsco Valley State Park, Friction Wall]	5.10d	4.4
Blue Rose	[Maryland, Patapsco Valley State Park, Ilchester]	5.8+	4.1
Two-Lane Highway	[Virginia, DC & Northern VA Region, Great Falls, Bird's Nest]	5.10a	4.1
Romeo's Ladder	[Virginia, DC & Northern VA Region, Great Falls, Romeo's Ladder]	5.7	3.9

CONTENTS:

Name: The name of the route, given by the climber who completed the “First Ascent”

Location: Where the route is located, formatted:

- If in US: [State, Region, Crag Name]
- If international: [International, Continent, Country, Region, Crag Name]

Grade: the YDS grade of the climb, will be at or easier than the input Max Grade given by a consensus from local climbers and guidebook writers

Stars: 0-5 star rating, directly pulled from MountainProject.com user reviews

EXAMPLES

INPUTS:

City:

Yosemite

State:

California

Max Radius (miles, up to 200):

20

Maximum grade (YDS, up to 5.15d):

5.14c+

RESPECTIVE OUTPUTS:

Name	Location	Grade	Stars
Astronam	[California, Yosemite National Park, Yosemite Valley, Valley North Side, Washington Column]	5.11c	5.0
The North Face	[California, Yosemite National Park, Yosemite Valley, Valley South Side, The Rostrum]	5.11c	5.0
Separate Really	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Wildcat Falls & Above the Cookies]	5.12a	5.0
Mr. Natural	[California, Yosemite National Park, Yosemite Valley, Valley South Side, Glacier Point Apron, GPA- Right Side]	5.10+	4.9
Sons of Yesterday	[California, Yosemite National Park, Yosemite Valley, Valley North Side, Royal Arches Area, Royal Arches, Western Royal Arches]	5.10-	4.9
Tenaya, Matthes, Cathedral Terraces	[California, Yosemite National Park, Tuolumne Meadows, Cathedral Range, Cathedral Range Enchantments]	5.7	4.9
Matthes Crest Traverse - South to North	[California, Yosemite National Park, Tuolumne Meadows, Cathedral Range, Matthes Crest]	5.7	4.9
OZ	[California, Yosemite National Park, Tuolumne Meadows, Drug Dome]	5.10d	4.9
Lunatic Fringe	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Reed's Pinnacle Area, Reed's Pinnacle]	5.10c	4.9
Blues Riff	[California, Yosemite National Park, Tuolumne Meadows, PhotosDeimos Cliff]	5.11	4.9
Catchy Corner	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Cookie Area, The Cookies Cliff]	5.11a	4.9
Butterballs	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Cookie Area, The Cookies Cliff]	5.11c	4.9
Southeast Buttress	[California, Yosemite National Park, Tuolumne Meadows, Cathedral Range, Cathedral Peak, Southeast Slopes]	5.8	4.8
Salathe (pitch 1)	[California, Yosemite National Park, Yosemite Valley, Valley North Side, El Capitan, Base Routes, Southwest Base, Moby Dick and Perotdactyl Terrace]	5.10c	4.8
The Moratorium	[California, Yosemite National Park, Yosemite Valley, Valley North Side, El Cap Picnic Area (Eagle Creek), Schultz's Ridge]	5.11b	4.8
Red Zinger	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Cookie Area, The Cookies Cliff]	5.11+	4.8
Bombs over Tokyo (1st pitch)	[California, Yosemite National Park, Tuolumne Meadows, Daff Area, Daff Dome, West Face]	5.10c	4.8
New Dimensions	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Entrance Station, Arch Rock]	5.11a	4.8
Manana	[California, Yosemite National Park, Yosemite Valley, Valley South Side, Sentinel Creek Area]	5.10d	4.8
Outer Limits	[California, Yosemite National Park, Yosemite Valley, Lower Merced River Canyon, Cookie Area, The Cookies Cliff]	5.10c	4.8
On the Lamb	[California, Yosemite National Park, Tuolumne Meadows, Lamb Dome, West Face of the Lamb]	5.9	4.8
Sachner Cracker	[California, Yosemite National Park, Yosemite Valley, Valley North Side, El Capitan, Base Routes, Southwest Base, The Slack to West Buttress]	5.10a	4.8

City:

boston

State:

massachusetts

Max Radius (miles, up to 200):

200

Maximum grade (YDS, up to 5.15d):

5.9-

Name	Location	Grade	Stars
VMC Direct Direct	[New Hampshire, Cannon Cliff, Big Wall]	5.10+	5.0
The Fastest Gun	[New York, Adirondacks, Lake Champlain Region, Poke-O-Moonshine, Poke-O-Moonshine Main Face]	5.10b	4.9
The Prow	[New Hampshire, Cathedral Ledge, The Prow Area]	5.11d	4.9
Drop, Fly, or Die	[New York, Adirondacks, Chapel Pond Pass, The Spider's Web]	5.11a	4.9
Ginseng Route	[Maine, -Shagg Crag]	5.12b	4.9
Eyeseals in Gaza	[New Hampshire, WM- Kancamagus (Eastern), Sundown Ledge, Main Cliff]	5.12b	4.8
Bloody Mary	[New York, Adirondacks, Lake Champlain Region, Poke-O-Moonshine, Poke-O-Moonshine Main Face]	5.9+	4.8
Flying Hawaiian	[New Hampshire, Rumney, Waimea]	5.11b	4.8
Technosurfing	[New Hampshire, Rumney, Waimea]	5.12b	4.8
Son of Easy O	[New York, The Gunks, The Trapps, Frog's Head - the Arch]	5.8	4.8
On The Loose	[New York, Adirondacks, Chapel Pond Pass, The Spider's Web]	5.10a	4.8
Frosted Mug	[New York, Adirondacks, Chapel Pond Pass, Beer Walls, Upper Beer Wall]	5.9	4.8
Whip Tide	[New Hampshire, Rumney, Waimea]	5.12b	4.8
The Beast Flake	[New Hampshire, Cathedral Ledge, The Prow Area]	5.9	4.8
The El	[New York, Adirondacks, Keene Region, Pitchoff Chimney Cliff]	5.8	4.7
Whitney Gilman Ridge	[New Hampshire, Cannon Cliff, Whitney-Gilman Area]	5.7	4.7
The Stng	[New York, Adirondacks, Lake Champlain Region, Poke-O-Moonshine, Poke-O-Moonshine Main Face]	5.8+	4.7
Old Town	[Maine, Acadia National Park, The Precipice aka The South Wall]	5.7+	4.7
They Died Laughing	[New Hampshire, Cathedral Ledge, The North End]	5.9	4.7
Green Monster	[Utah, Wasatch Range, Southern Wasatch, Rock Canyon, Green Monster Slab]	5.9	4.7
Repgys Crack	[New Hampshire, Cannon Cliff, Moby Grape Area]	5.8	4.7
The Crusher	[New Hampshire, Rumney, Orange Crush]	5.11d	4.7
The Book of Solemnity	[New Hampshire, Cathedral Ledge, Barber Wall]	5.10a	4.7
Airation	[New Hampshire, Cathedral Ledge, Airation Buttress]	5.11a	4.7

City:

mAdRiD

State:

sPaiN

Max Radius (miles, up to 200):

100

Maximum grade (YDS, up to 5.15d):

5.10

Yam	Location	Grade	Stars
Diedro Ticupa	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.10a	5
Manolin spur	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.9	5
Chocolate	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.9+	5
Via Ezequiel	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.7	5
Esteban Altieri	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.10b	5
Diedro Loquillo	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.10b	5
Alaiz	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.10c	5
Blue dihedron	[International, Europe, Spain, La Pedriz, Quebrantaherraduras Superior]	5.11d	5
With the Fig in the Navel	[International, Europe, Spain, Patones, Stradvarius]	5.11a	4
Maracabo	[International, Europe, Spain, Patones, Maracabo]	5.10d	4
Expedition McYwan	[International, Europe, Spain, Patones, Poyoero]	5.11a	4
Unknown	[International, Europe, Spain, Patones, Poyoero]	5.10a	4
Lopez counters	[International, Europe, Spain, La Pedriz, Cancho De Los Brezos]	5.10b	4
Via Pilot	[International, Europe, Spain, Madrid - Sierra de la Cabrera, Pico de la Miel]	5.10b	4
Variant of the White	[International, Europe, Spain, La Pedriz, Placa del Tranco]	5.8	4
Via do Caramifal	[International, Europe, Spain, La Pedriz, Placa del Tranco]	5.9-	4
Moor	[International, Europe, Spain, La Pedriz, Cancho De Los Brezos]	5.10b	4
Shared custody	[International, Europe, Spain, Patones, Maracabo]	5.10c	4
Madamme boulder	[International, Europe, Spain, Patones, Parking Sector]	5.11d	4
Stranglers	[International, Europe, Spain, Patones, Maracabo]	5.10b	4
The back of the ladder	[International, Europe, Spain, Patones, Parking Sector]	5.10b	4

(If no routes are found within the max radius from the location, an empty table will display)