**Demo input cases**

**Application Demo : https://youtu.be/8hVB-OJeuyE**

1. **Given university, display all the details of that university and related crime report, weather information and nearby restaurants.**

Sample Input:

1) American Institute of Technology

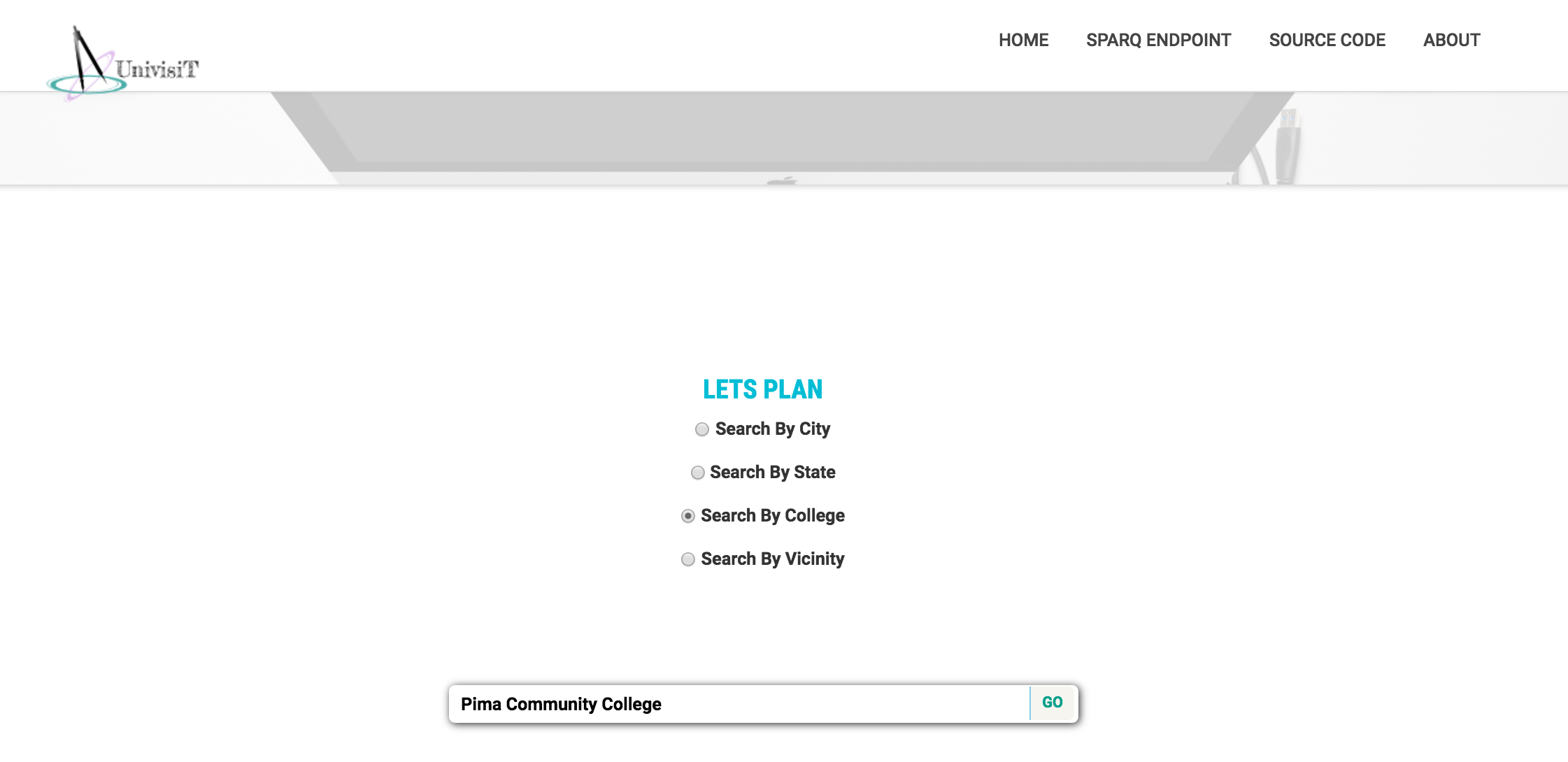
2) Pima Community College

3) Washington State University

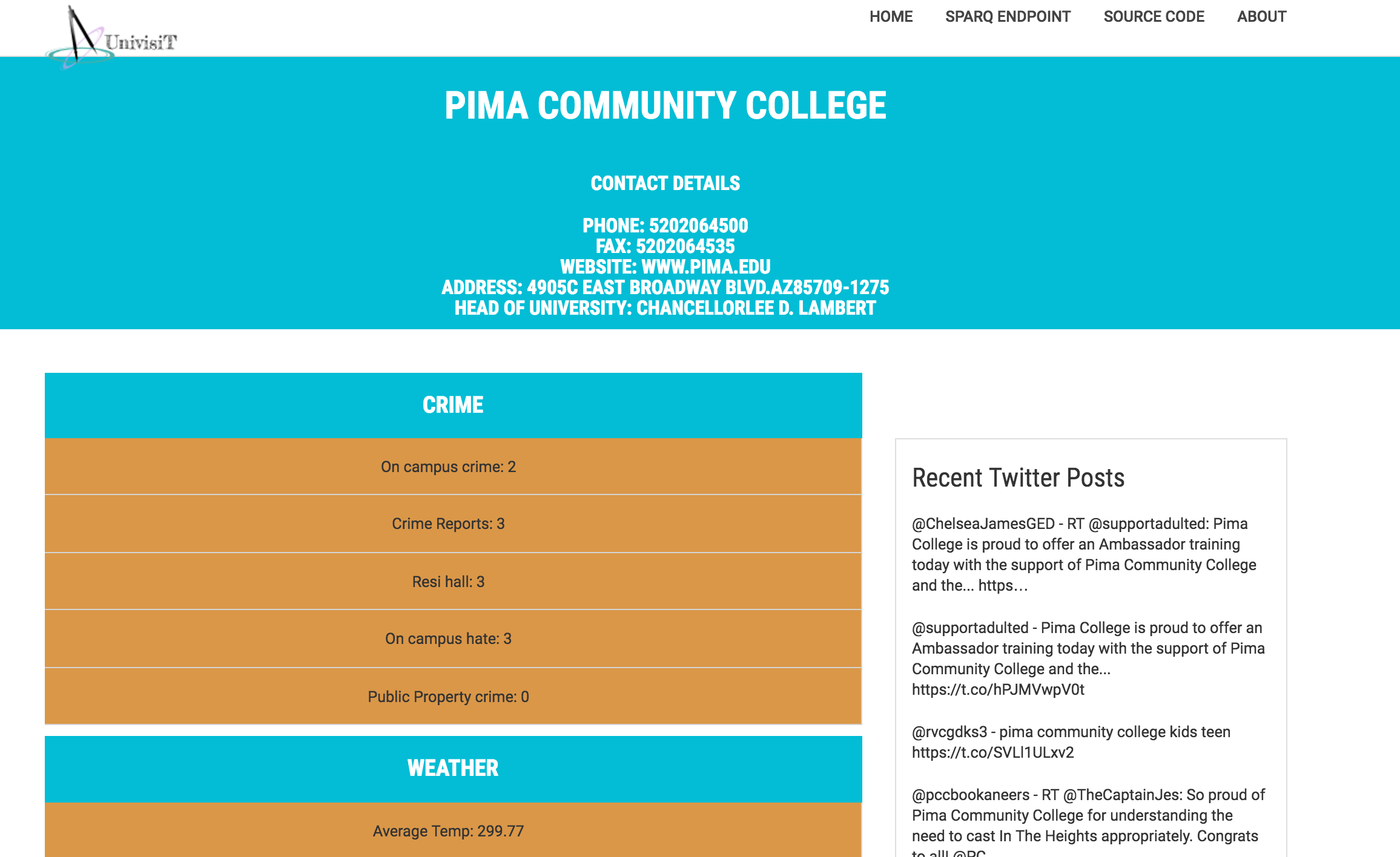
4) Berkeley City College

5) Arizona State University-Tempe

Input Screen:



Output Screen:





1. **Custom SPARQ query.**

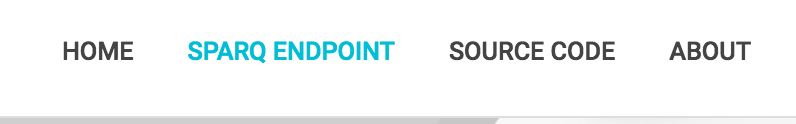
Sample Input 1:

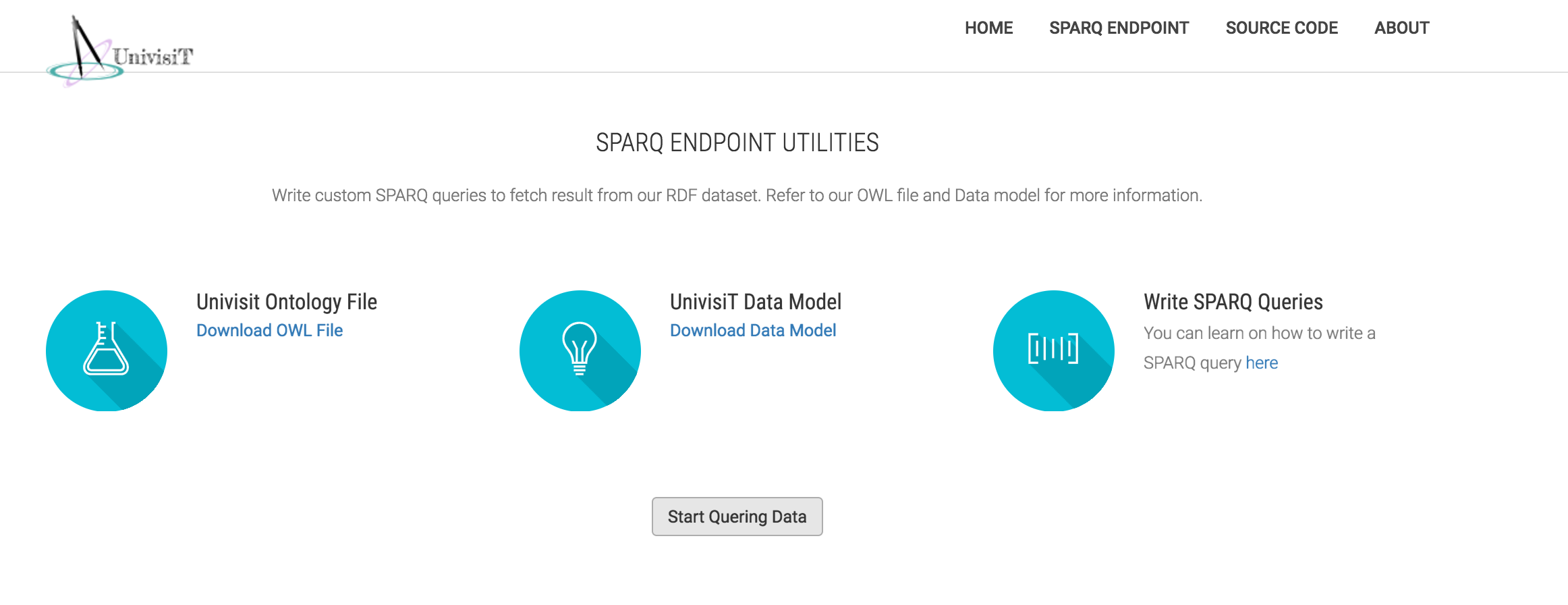
**PREFIX rdf: <http://w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX uni: <http://www.knowYourSchool.org/ontology/SchoolBio#> SELECT \* WHERE {?university uni:hasPlace ?City. ?university uni:hasName ?Name. OPTIONAL { ?university uni:hasId ?id }.OPTIONAL { ?university uni:hasAddress ?instAddress}.OPTIONAL { ?university uni:hasHead ?head }.OPTIONAL { ?university uni:hasLongitude ?longitude }.OPTIONAL { ?university uni:hasLatitude ?latitude }.OPTIONAL { ?university uni:hasContact ?contact}.OPTIONAL { ?contact uni:hasApplicationURL ?applicationURL}.OPTIONAL { ?contact uni:hasFax ?fax}.OPTIONAL { ?contact uni:hasWebsite ?website}.OPTIONAL { ?contact uni:hasPhone ?phone}.OPTIONAL { ?head uni:hasPerson ?person}.OPTIONAL { ?head uni:hasTitle ?title}.OPTIONAL { ?instAddress uni:hasStateCode ?statecode}.OPTIONAL { ?instAddress uni:hasZip ?zip}.OPTIONAL { ?instAddress uni:hasStreetAddress ?streetaddress}.FILTER(?Name = "American Institute of Technology") }**

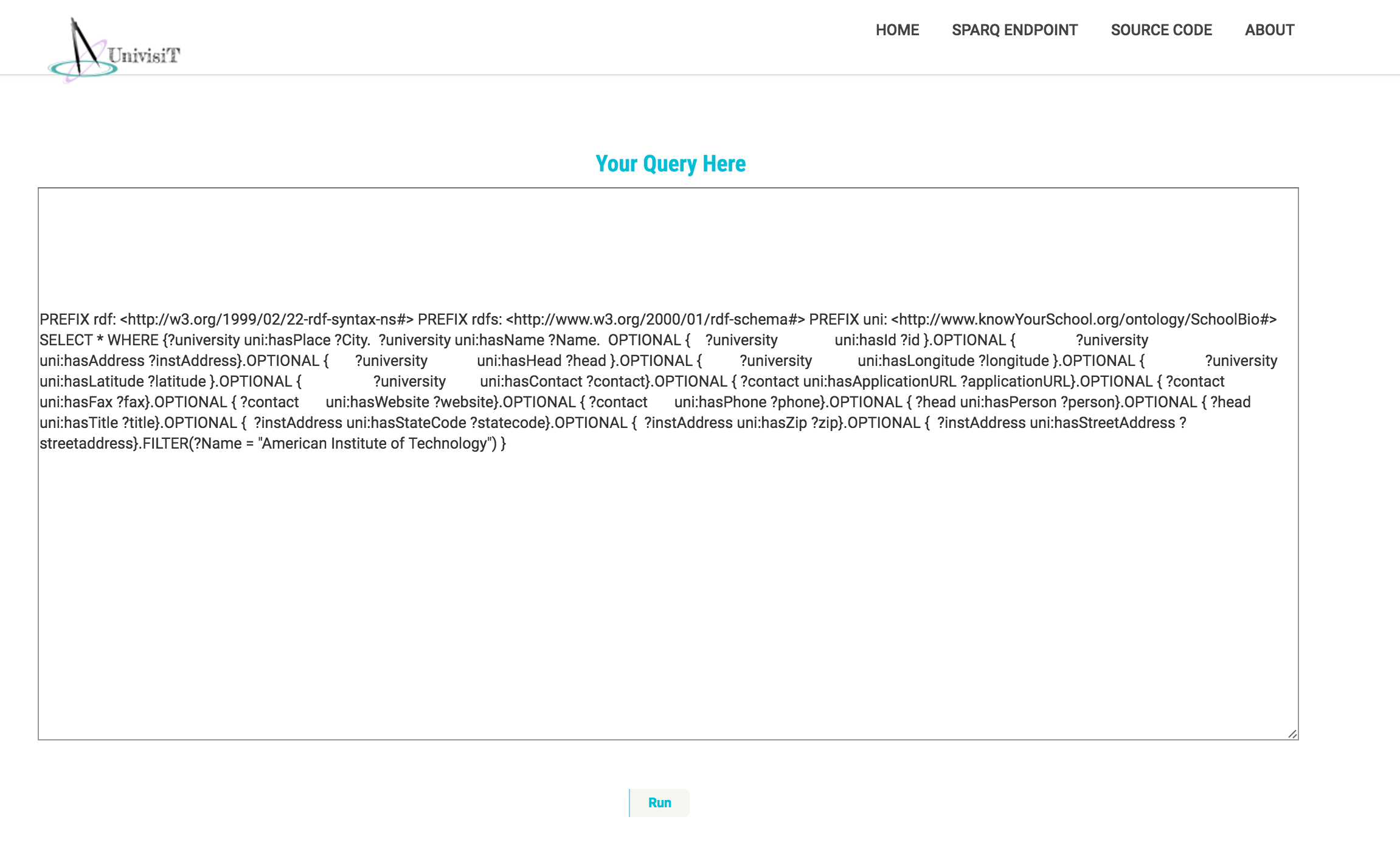
Sample Input 2:

**PREFIX rdf: <http://w3.org/1999/02/22-rdf-syntax-ns#> PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#> PREFIX uni: <http://www.knowYourSchool.org/ontology/SchoolBio#> SELECT \* WHERE {?university uni:hasPlace ?City. ?university uni:hasName ?Name. OPTIONAL { ?university uni:hasId ?id }.FILTER(?Name = "American Institute of Technology") }**

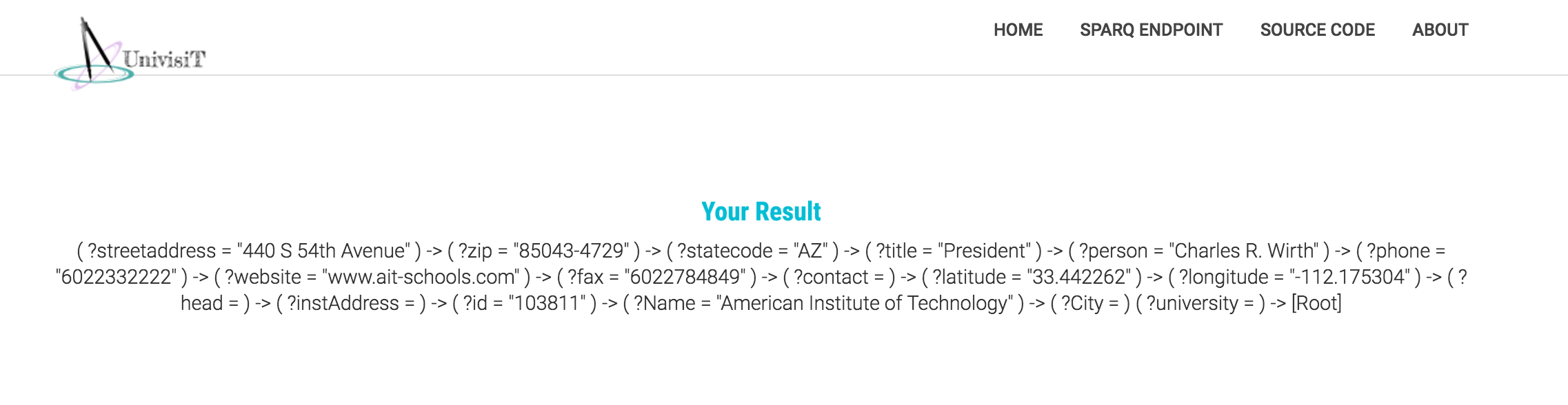
Input Screen:







Output Screen:

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1. **Given city, display all the universities in it.**

Sample Input:

1) Phoenix

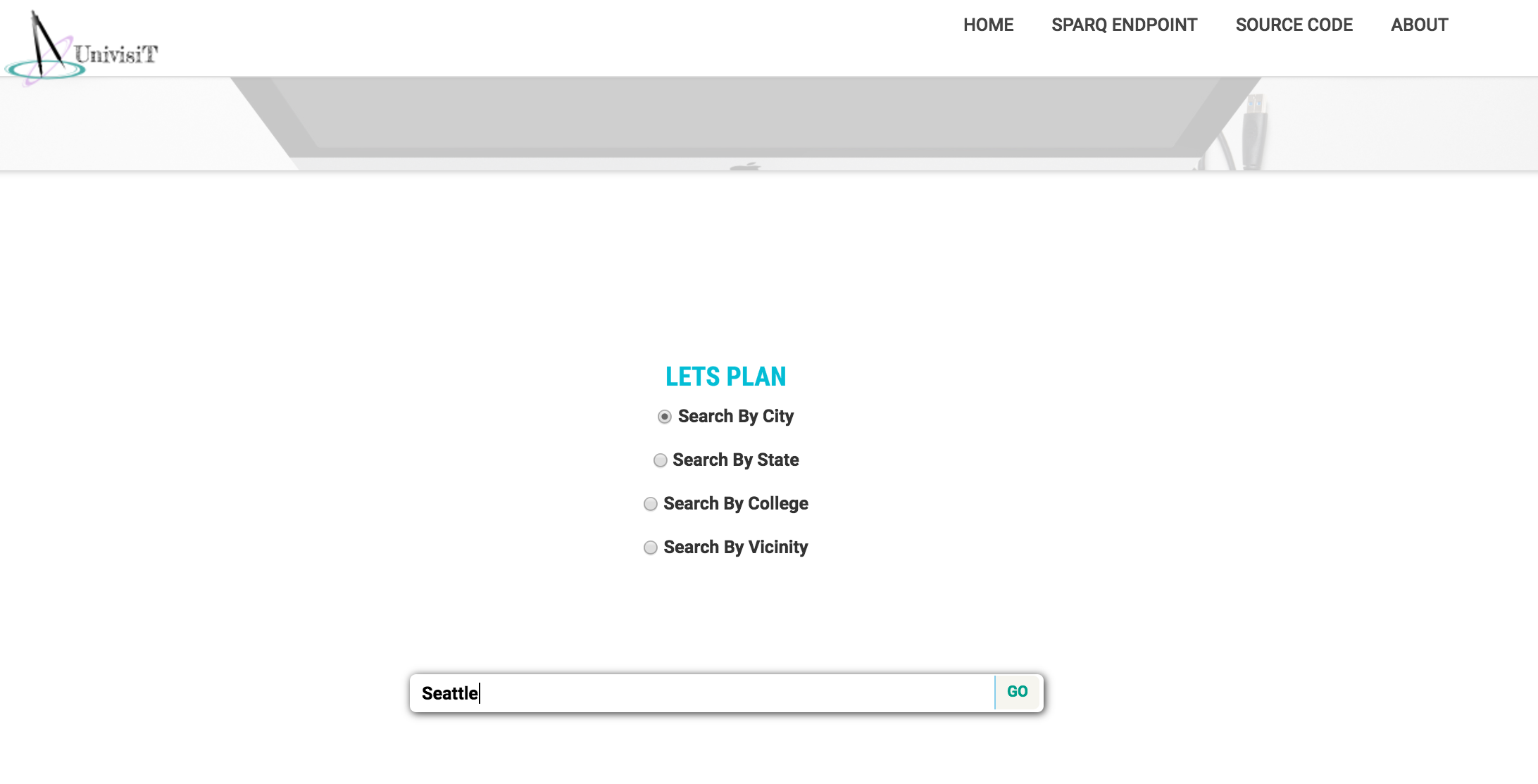
2) Seattle

3) Sacramento

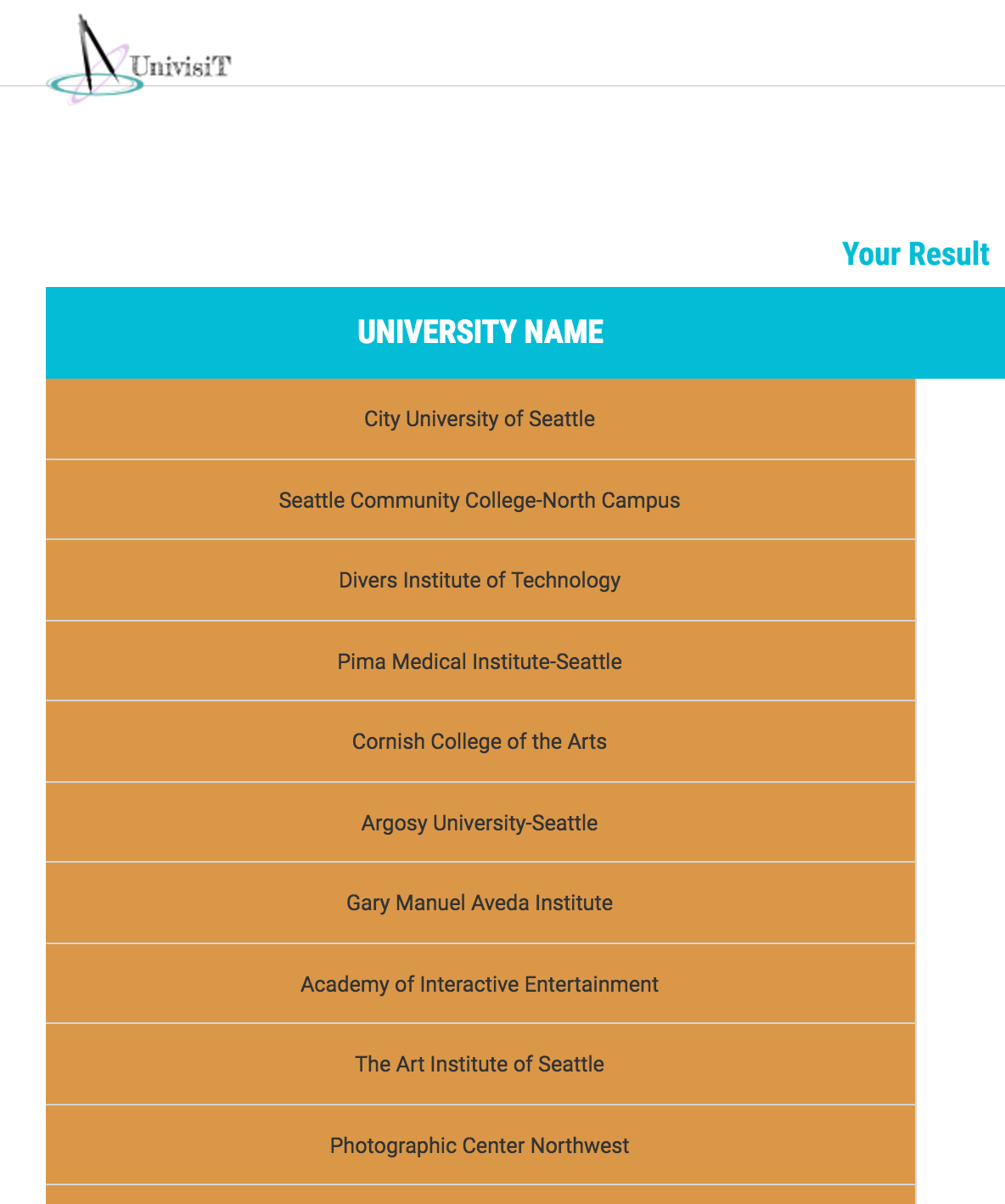
4) Tucson

5) Los Angeles

Input Screen:



Output Screen:



1. **Given state, show all universities in it.**

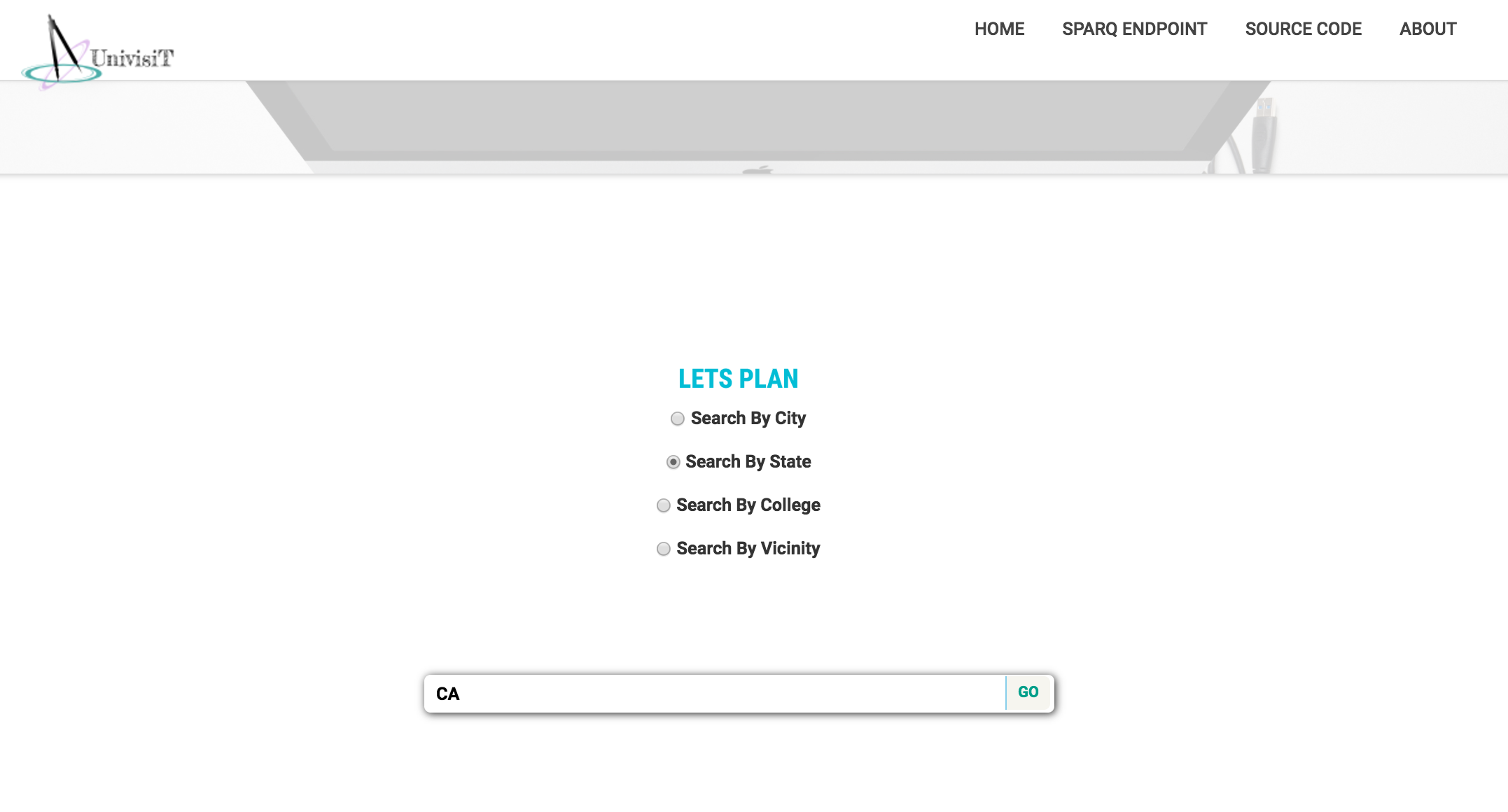
Sample Input:

1) AZ

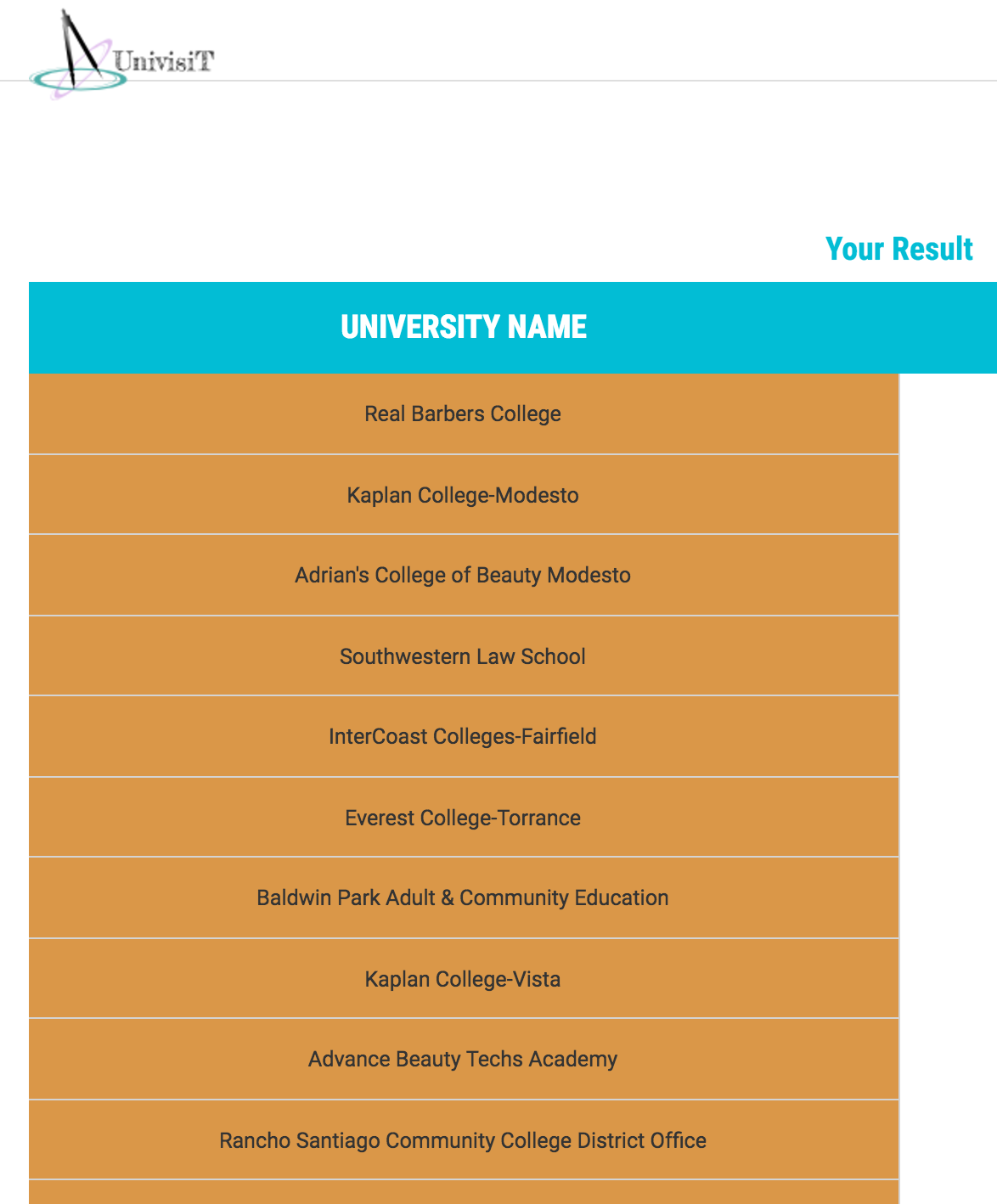
2) CA

3) WA

Input Screen:



Output Screen:



1. **Based on location of university, show universities nearby.**

Sample Input:

1) American Institute of Technology

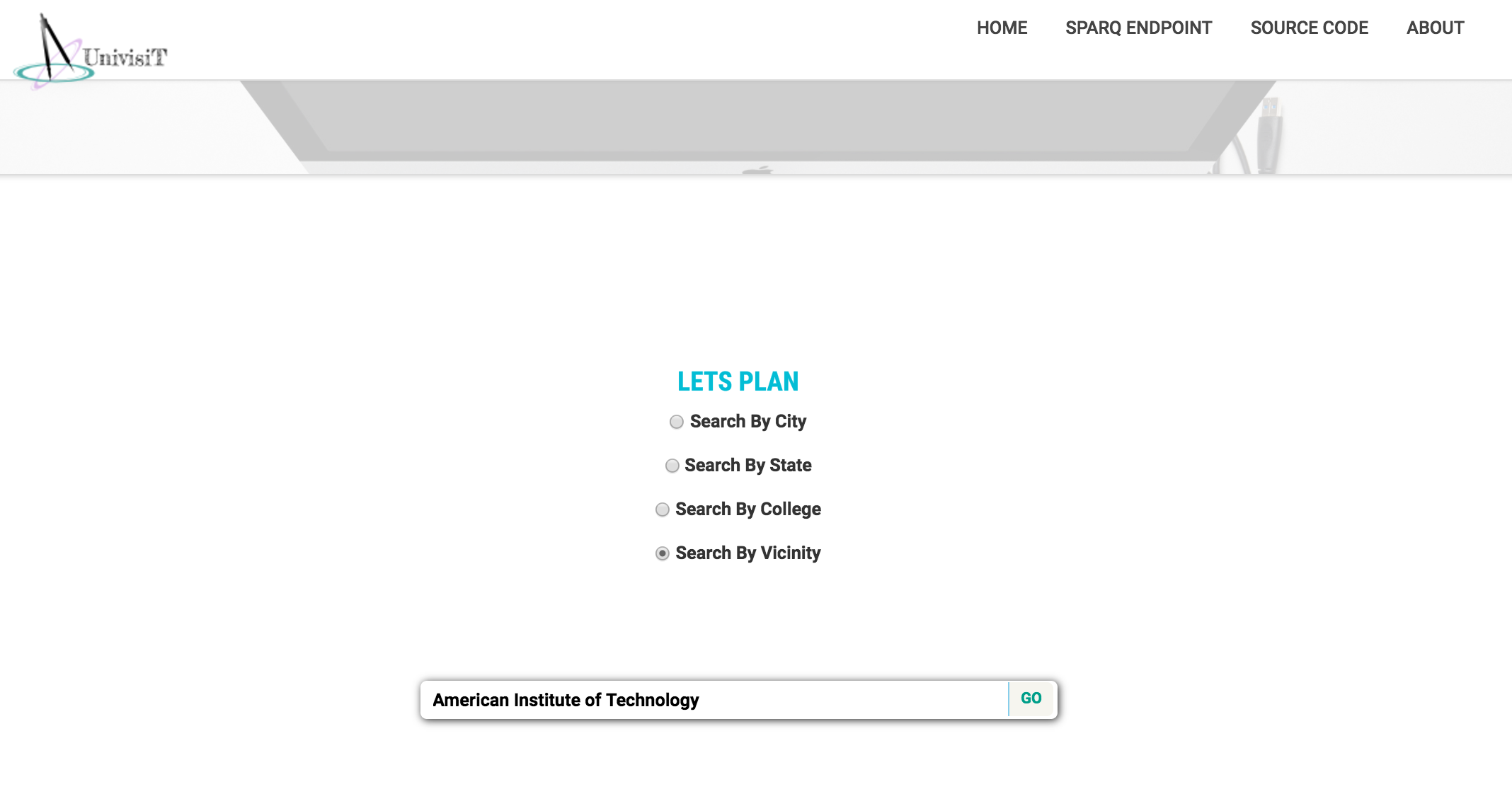
2) Pima Community College

3) Washington State University

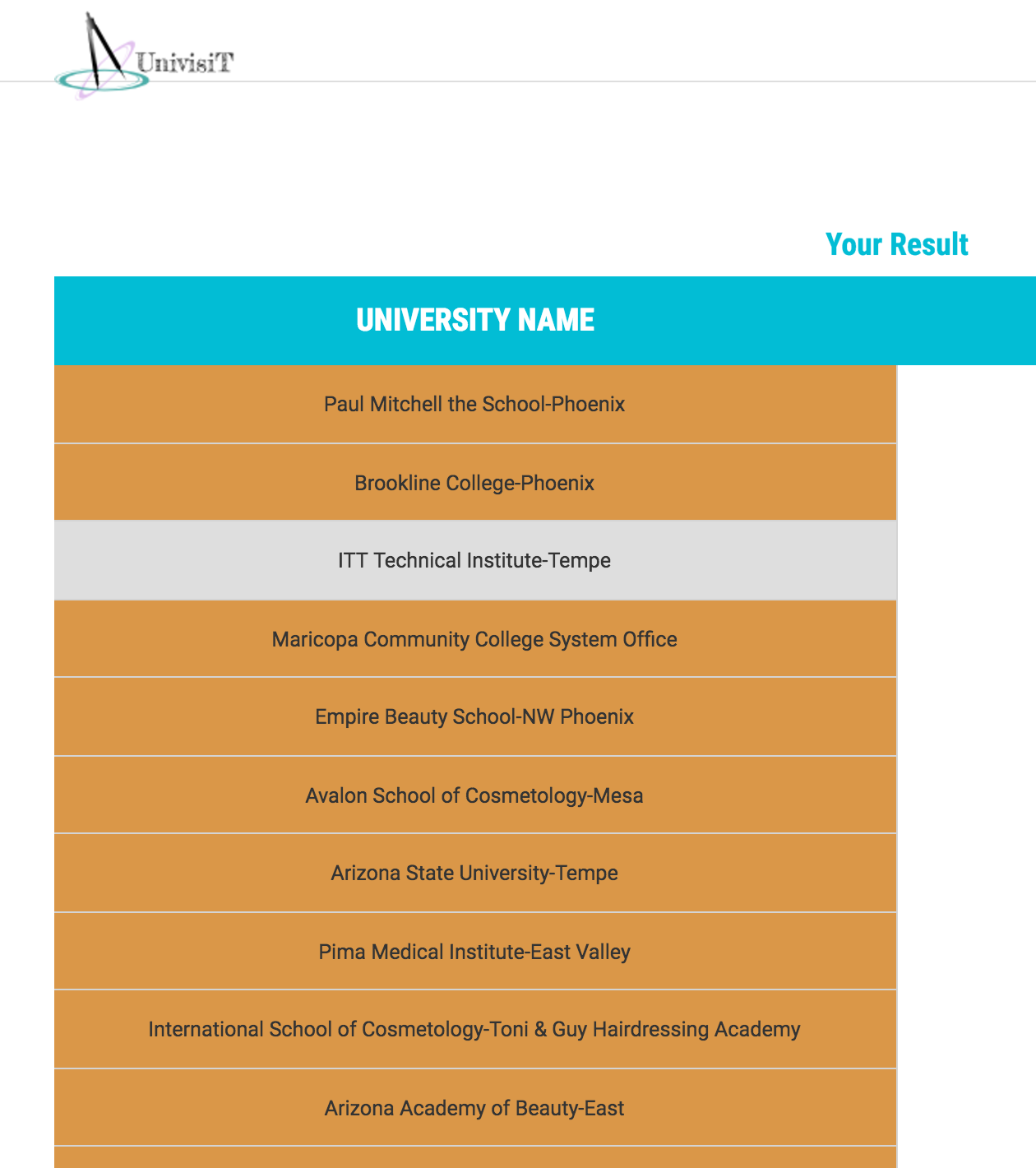
4) Berkeley City College

5) Arizona State University-Tempe

Input Screen:



Output Screen:



1. **Given university, show all restaurants nearby.**

Sample Input:

1) American Institute of Technology

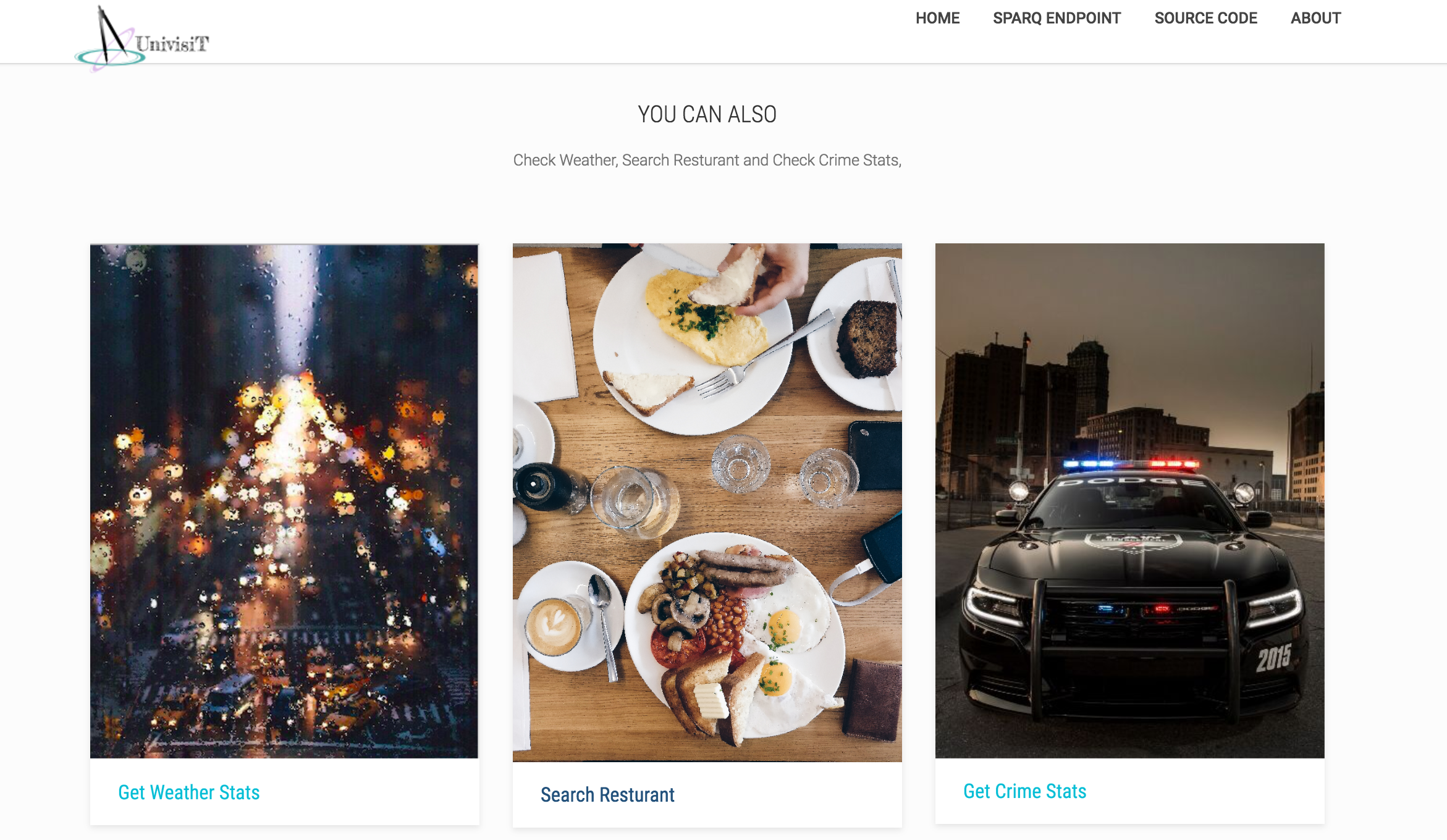
2) Pima Community College

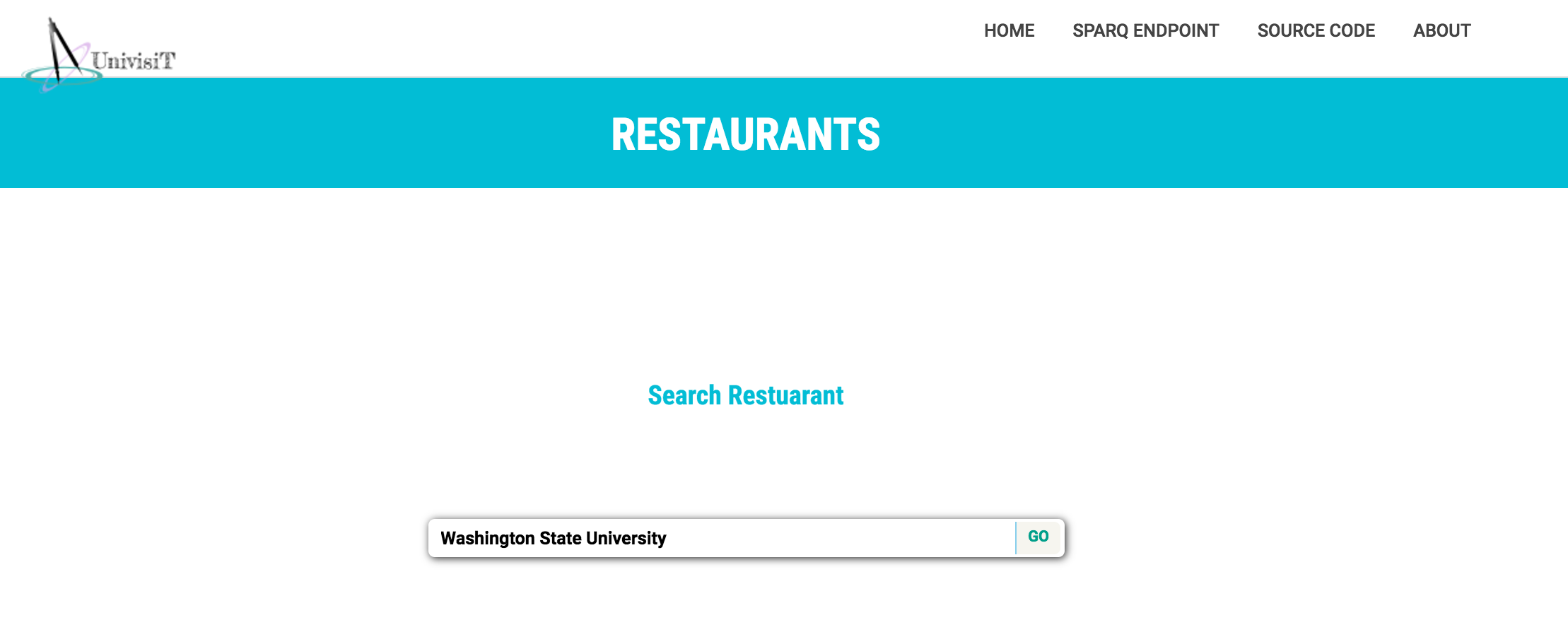
3) Washington State University

4) Berkeley City College

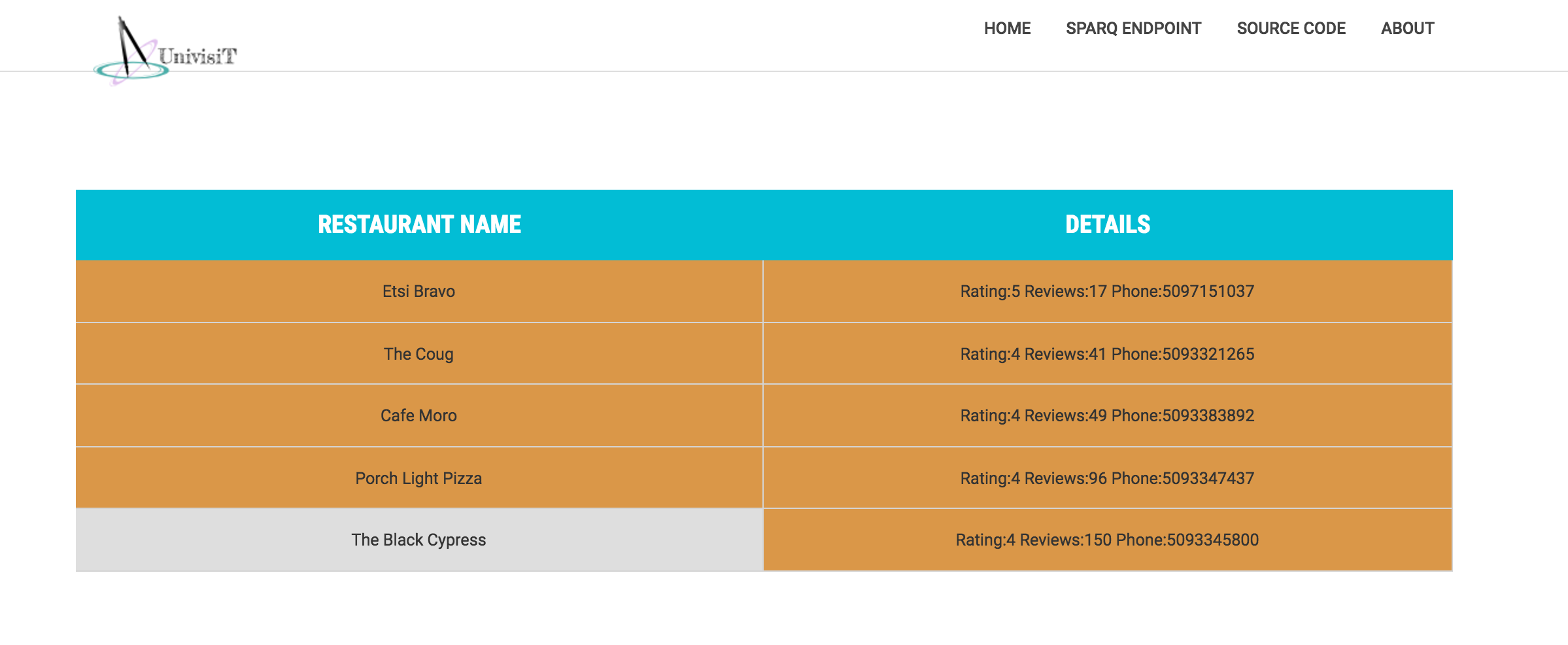
5) Arizona State University-Tempe

Input Screen:





Output Screen:



1. **Universities based on Range of temperature.**

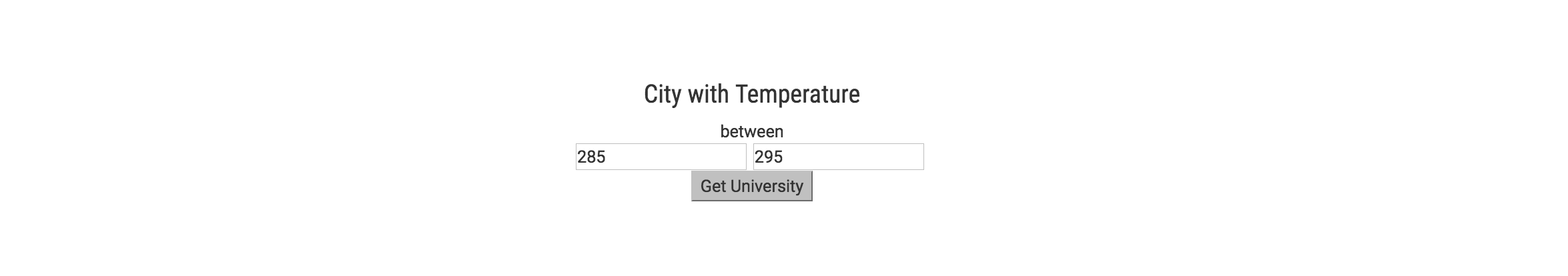
Sample Input(kelvin):

1) 295 - 300

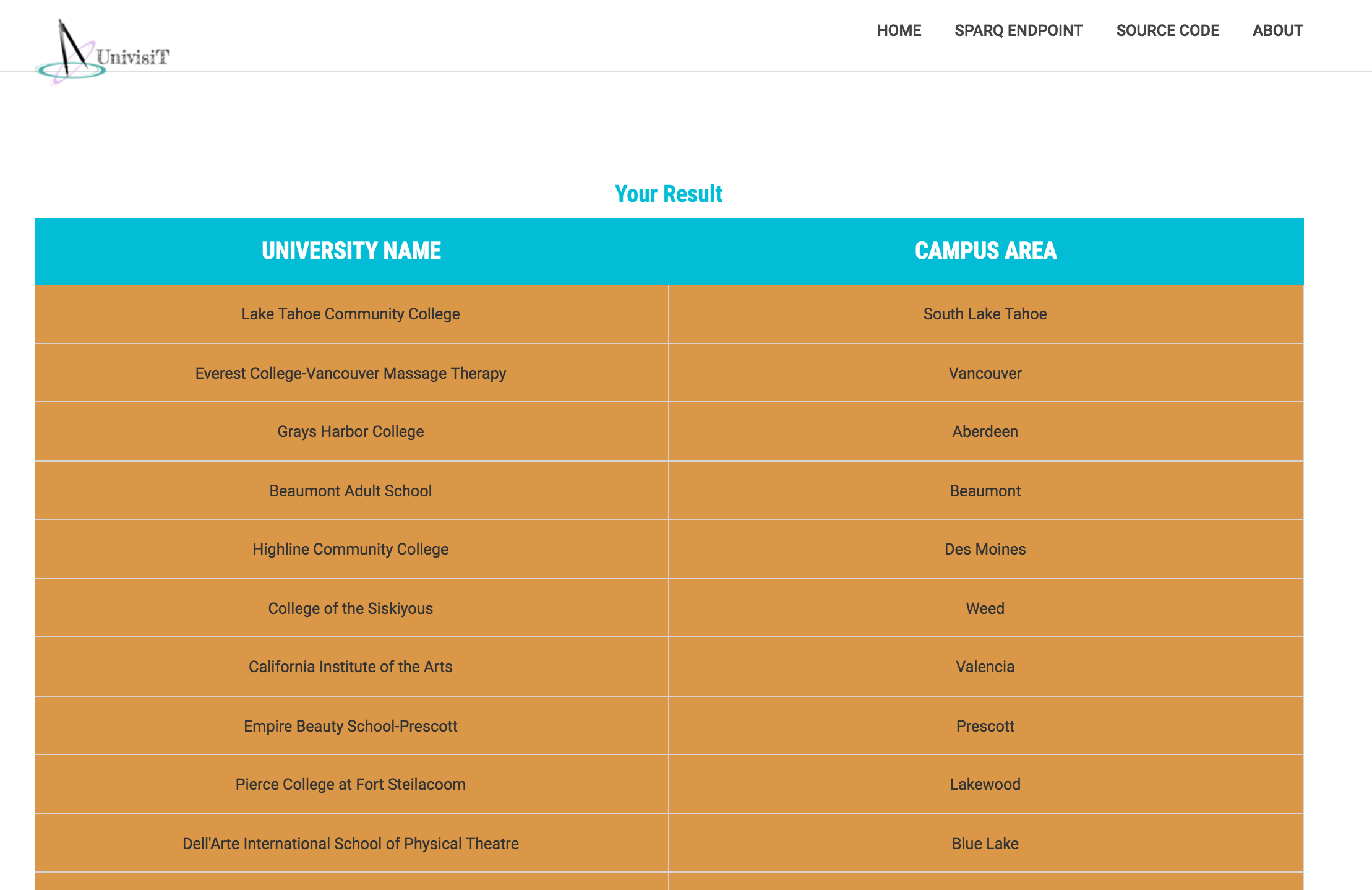
2) 280 - 290

3) 285 - 295

Input Screen:



Output Screen:



1. **Universities having temperature less than**

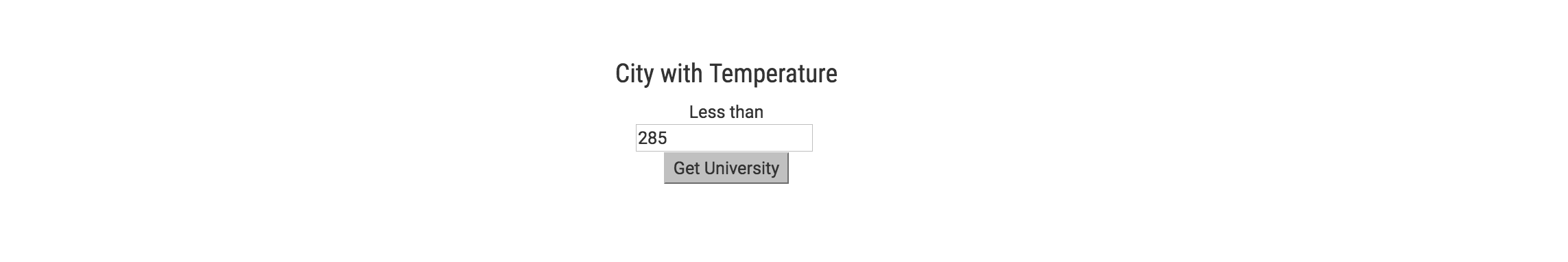
Sample Input:

1) 285

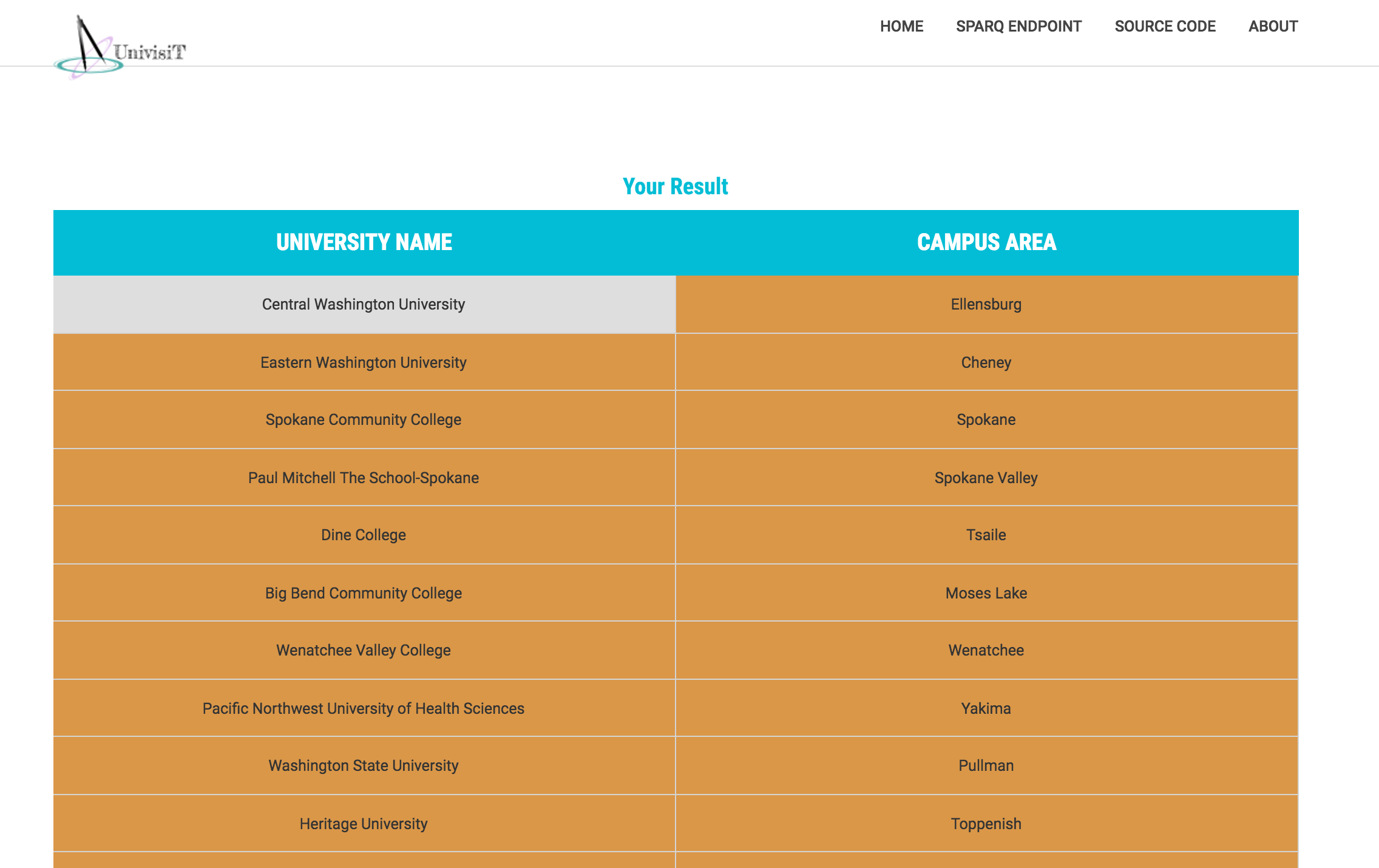
2) 295

3) 290

Input Screen:



Output Screen:



1. **Universities having temperature more than**

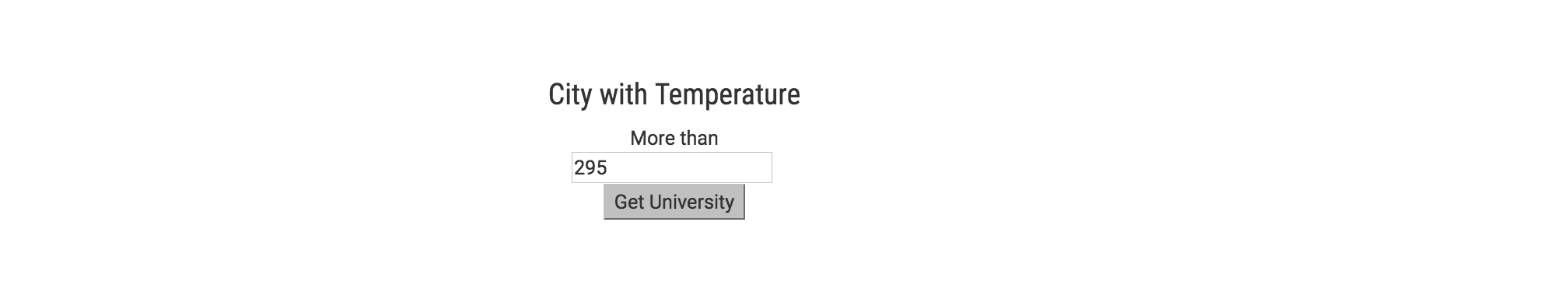
Sample Input:

1) 285

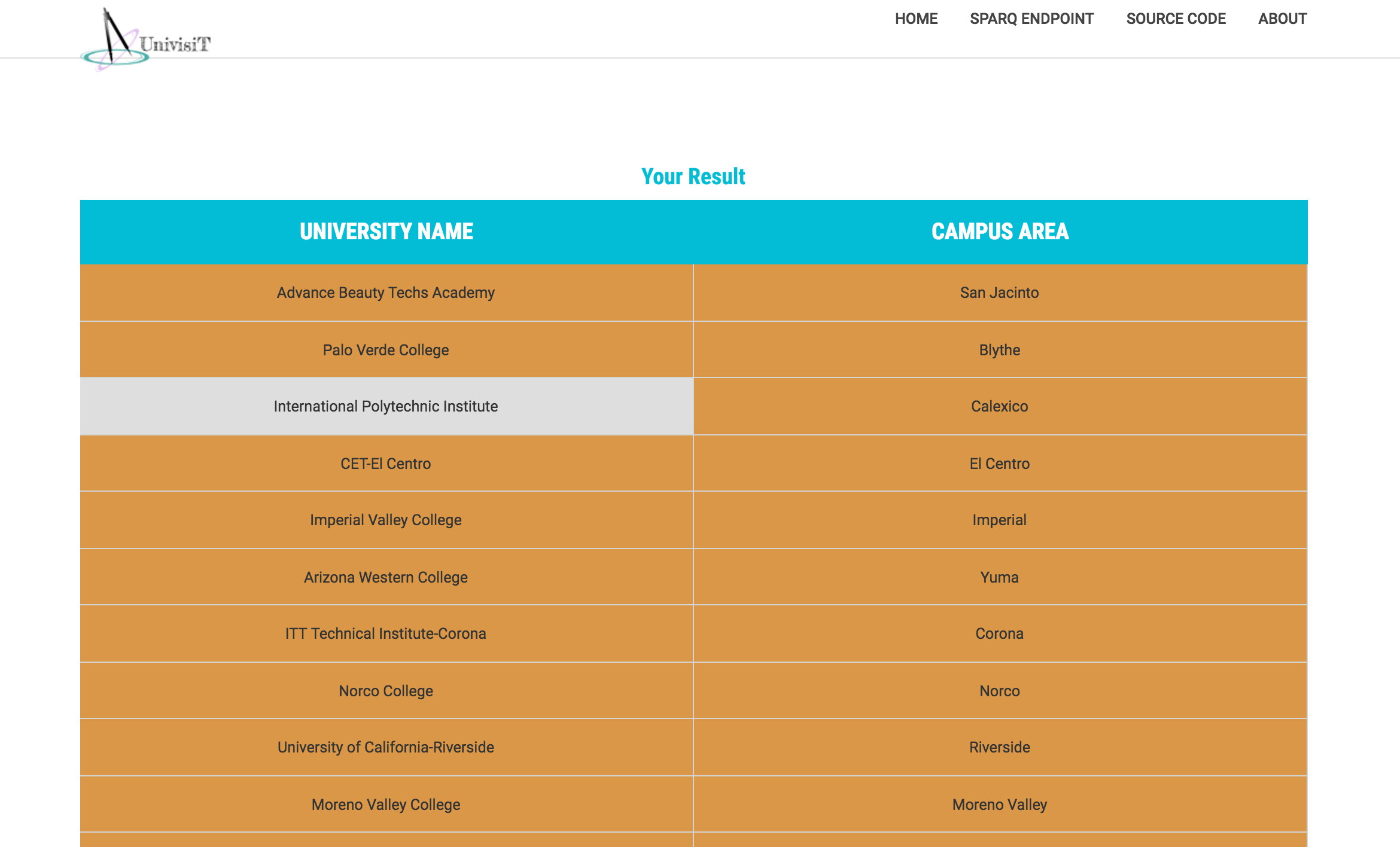
2) 295

3) 290

Input Screen:



Output Screen:



1. **All universities with humidity less than a given value.**

Sample Input:

1) 20

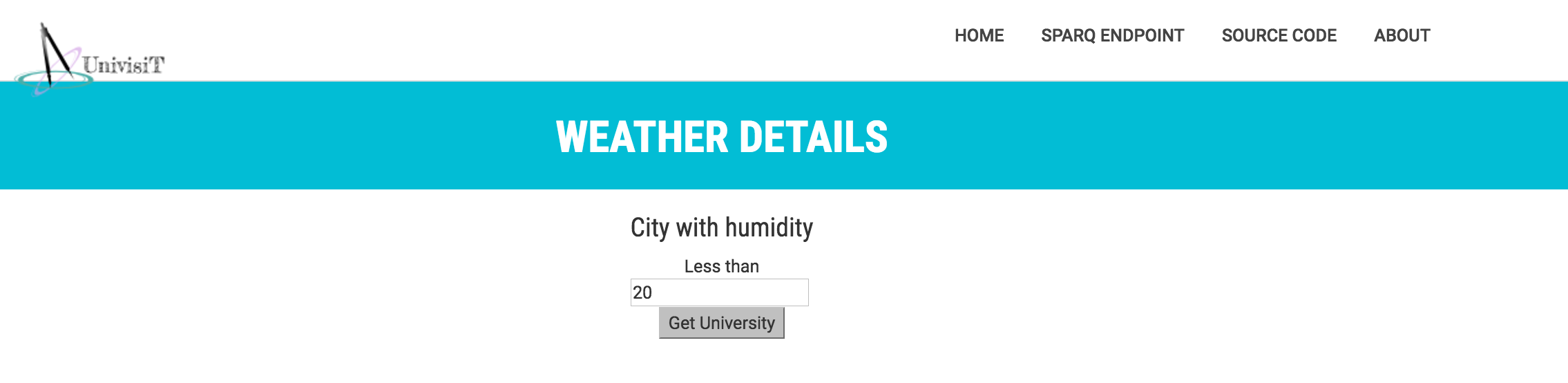
2) 30

3) 100

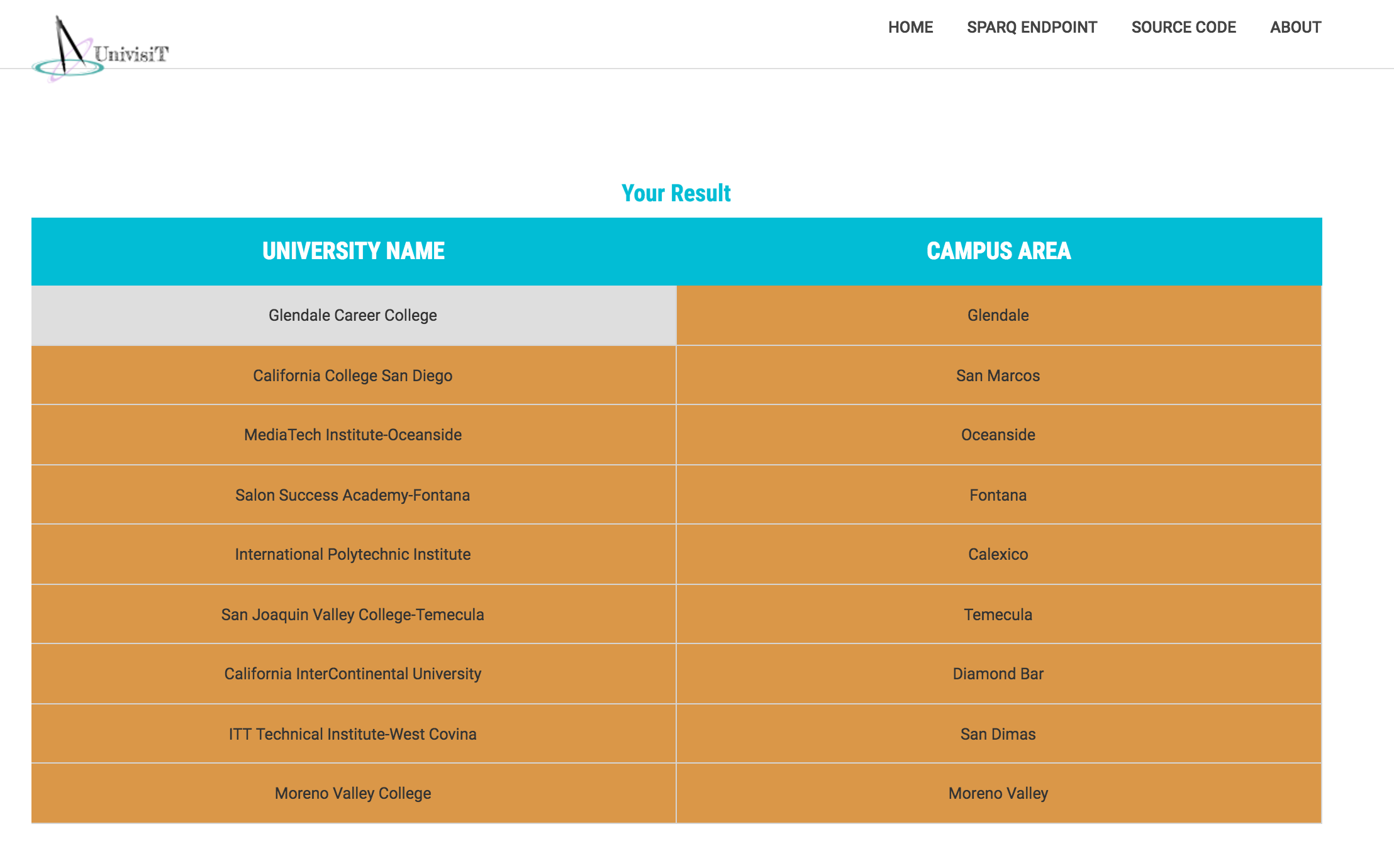
4) 50

5) 40

Input Screen:



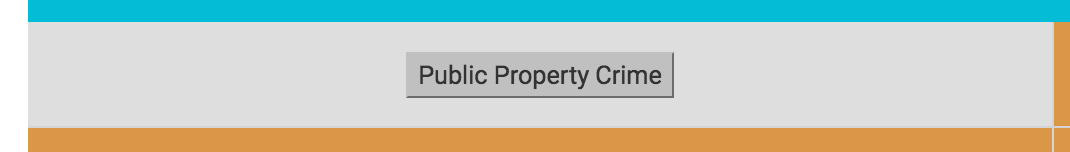
Output Screen:



1. **Universities with Highest and Lowest Crime rates based on :**
   1. **Public Property Crime**
   2. **Residence Hall Crime**
   3. **On Campus Crime**
   4. **Campus Crime Reports**
   5. **Campus Hate Crime**

Input Screen:





Output screen for Public Property Crime:

