

Title: GeoLock

Members:

Owen Arnold
Even Laukli
Kyle Neff
Nolan Annis
Yefan Wang

Description:

Our project, GeoLock, is a social app that encourages users to explore and share their experience of locations and areas around them. Users are able to search up possible locations they are interested in and see other user's comments. In addition if they visit the location then they are able to comment on it. Once registered and logged in, users will be able to like, dislike, and favorite comments they find interesting and can find the posts they have liked and favorited on their profile page.

In order to successfully execute this project we used numerous tools such as Google Maps API, postgresSQL, XML HTTP, and more. We used Google Maps API to verify the location of a user so they can successfully add a comment to the location they were at. In addition it allows us to display a polygon on our webpage that shows the perimeter of locations. To handle the backend of our project we needed some with good scalability to handle the amount of comments we could possibly have. We used postgresSQL to handle all our tables such as locations, users, and comments. Also, we used XML HTTP requests for handling likes, dislikes, and favorites without having to reload the page each time.

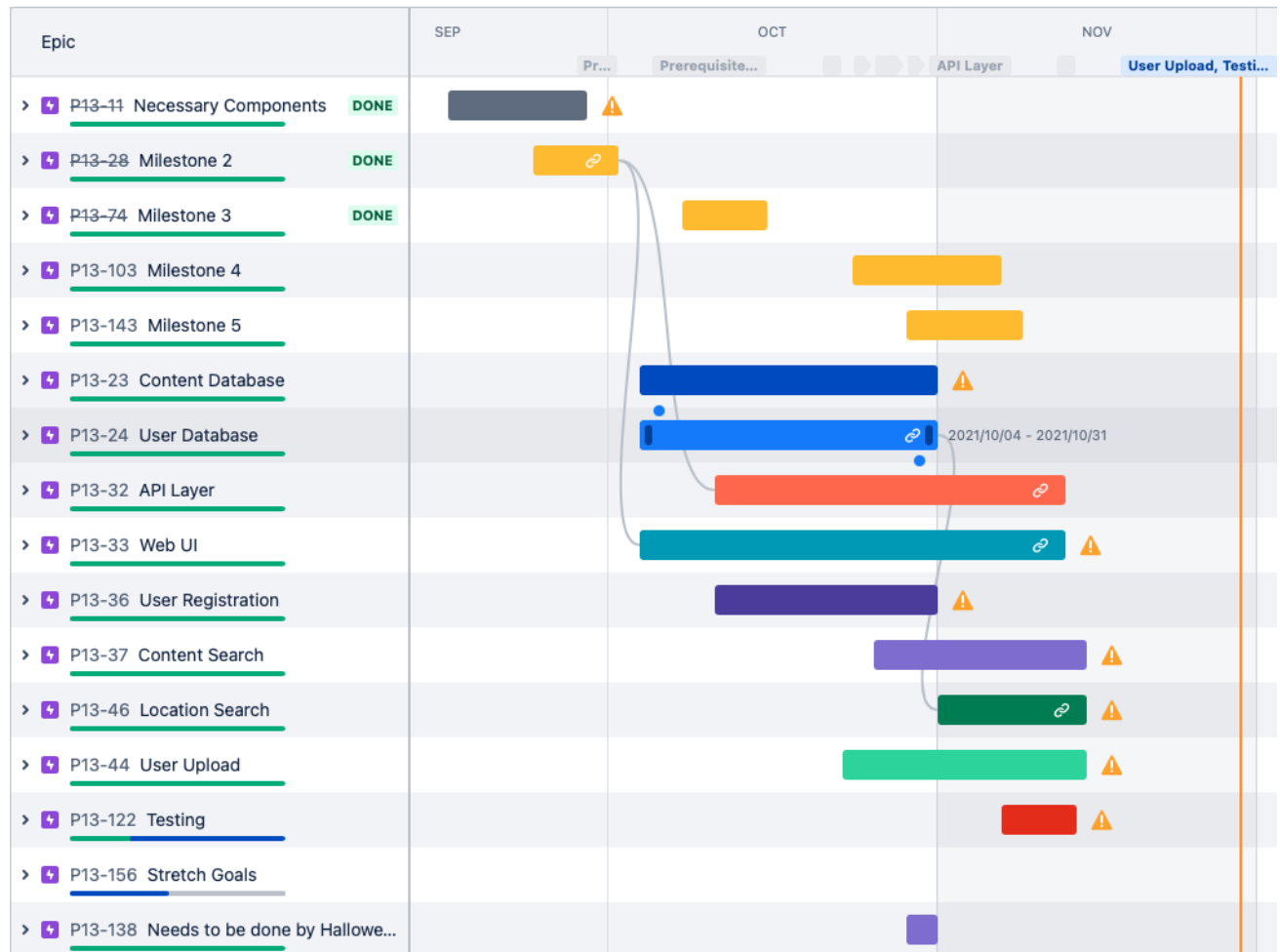
Video Demo:

[Live Site Walkthrough](#)
[Mobile Demo](#)

VCS: [Github Link](#)

Project Tracking:

[Jira](#)
[Scrum meeting note document](#)



Contributions:

Owen Arnold:

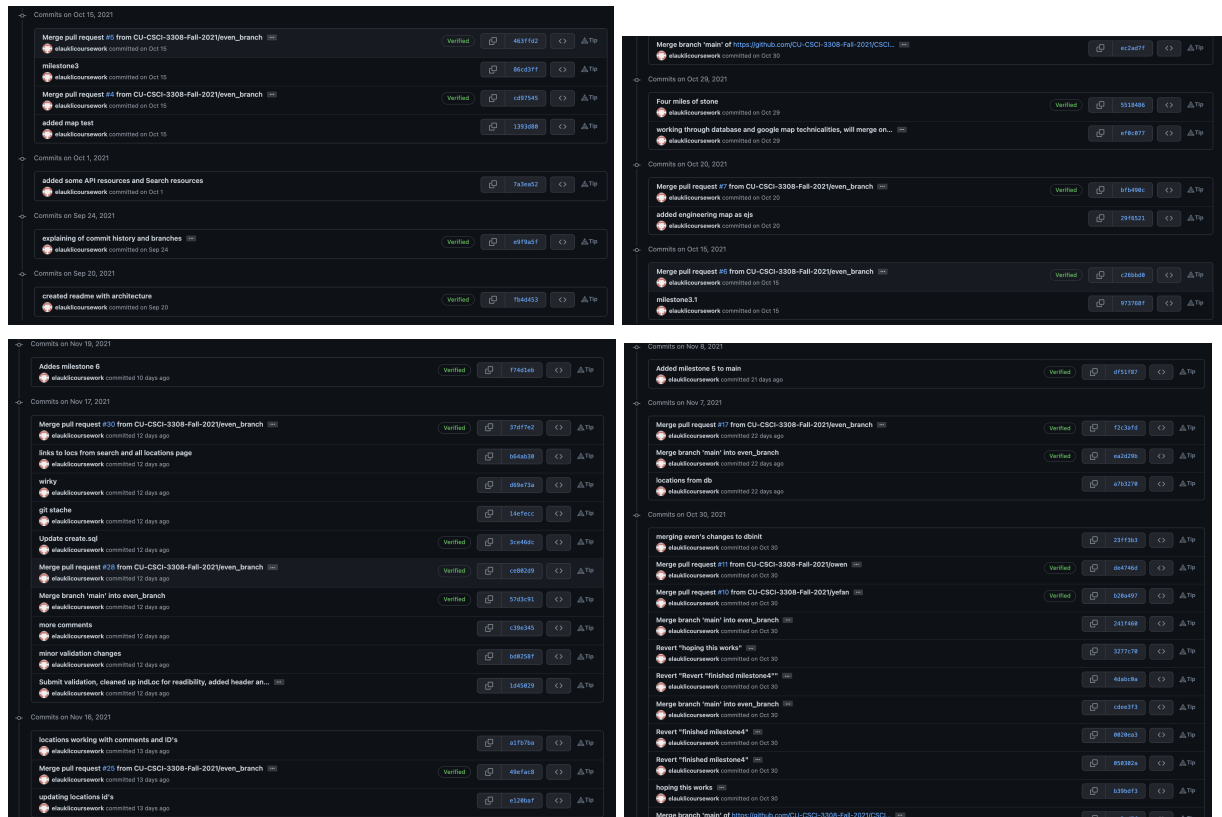
I was responsible for the user registration, login authentication, the likes/dislikes feature, added like/dislike/favorites badges that updated without reloading, made the user profile pages, improved the search function for comments, and assisted Kyle with the favorites feature. I also spent a lot of time on front end styling and making a user-friendly UI. I did a lot of testing and other QA prior to the heroku deployment, and also managed our Jira board throughout development. The technologies I used were npm (bcrypt, express, flash), NodeJS, XML/HTTP, EJS, SQL and more. Also added test cases for our server requests.

Below are Owen's commits:

<div>Commits on Oct 30, 2021</div> <div><div>pulled server.js changes from even</div><div>owar3894 committed on Oct 30</div></div> <div><div>pulling from main after even_branch commit</div><div>owar3894 committed on Oct 30</div></div> <div><div>Merge pull request #12 from CU-CSCI-3308-Fall-2021/even_branch</div><div>owar3894 committed on Oct 30</div></div> <div><div>pulled from main and merged successfully</div><div>owar3894 committed on Oct 30</div></div> <div>Commits on Oct 29, 2021</div> <div><div>working registration, pw encryption, and login auth. added several no...</div><div>owar3894 committed on Oct 29</div></div> <div>Commits on Oct 24, 2021</div> <div><div>Merge pull request #8 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed on Oct 24</div></div> <div><div>updated server.js, changed yefan's homepage to a .ejs file</div><div>owar3894 committed on Oct 24</div></div> <div>Commits on Oct 15, 2021</div> <div><div>added homepage.ejs to nodejs implementation</div><div>owar3894 committed on Oct 15</div></div> <div><div>Merge pull request #3 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed on Oct 15</div></div> <div><div>Node js and ejs implementation</div><div>owar3894 committed on Oct 15</div></div> <div>Commits on Oct 12, 2021</div> <div><div>Merge pull request #1 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed on Oct 12</div></div>	<div>Commits on Nov 17, 2021</div> <div><div>Merge pull request #29 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 12 days ago</div></div> <div><div>Merge branch 'main' into owen</div><div>owar3894 committed 12 days ago</div></div> <div><div>session save bug fix</div><div>owar3894 committed 12 days ago</div></div> <div><div>Merge pull request #27 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 12 days ago</div></div> <div><div>bug fixes and testing</div><div>owar3894 committed 12 days ago</div></div> <div><div>Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...</div><div>owar3894 committed 12 days ago</div></div> <div><div>bug fixes and testing</div><div>owar3894 committed 12 days ago</div></div> <div>Commits on Nov 15, 2021</div> <div><div>Merge pull request #24 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 14 days ago</div></div> <div><div>small engMap request change in server.js</div><div>owar3894 committed 14 days ago</div></div> <div><div>integrated nolan's changes to main dev environment. changes were made...</div><div>owar3894 committed 14 days ago</div></div> <div><div>Merge pull request #23 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 14 days ago</div></div> <div><div>fixing merge conflicts</div><div>owar3894 committed 14 days ago</div></div> <div><div>fixed like feature to make sure user can correctly like and dislike a...</div><div>owar3894 committed 14 days ago</div></div>	<div>Commits on Nov 18, 2021</div> <div><div>Merge pull request #34 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 11 days ago</div></div> <div><div>final touches</div><div>owar3894 committed 11 days ago</div></div> <div><div>Merge pull request #33 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 11 days ago</div></div> <div><div>final touches</div><div>owar3894 committed 11 days ago</div></div> <div><div>Merge pull request #32 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 11 days ago</div></div> <div><div>location names, updated locations</div><div>owar3894 committed 11 days ago</div></div> <div><div>location names, updated locations, and tested</div><div>owar3894 committed 12 days ago</div></div> <div><div>Merge pull request #31 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 12 days ago</div></div> <div><div>fixed comment location name issue, it now works on all pages.</div><div>owar3894 committed 12 days ago</div></div> <div><div>Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...</div><div>owar3894 committed 12 days ago</div></div> <div><div>merge conflicts</div><div>owar3894 committed 12 days ago</div></div> <div><div>location search bug fixes</div><div>owar3894 committed 12 days ago</div></div>
<div>Commits on Nov 8, 2021</div> <div><div>Merge pull request #18 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 21 days ago</div></div> <div><div>bootstrap and other stylistic changes</div><div>owar3894 committed 21 days ago</div></div> <div>Commits on Nov 5, 2021</div> <div><div>Merge pull request #16 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 24 days ago</div></div> <div><div>Merge branch 'owen' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI...</div><div>owar3894 committed 24 days ago</div></div> <div><div>added search testing page for comment search feature. like and dislik...</div><div>owar3894 committed 24 days ago</div></div> <div>Commits on Nov 4, 2021</div> <div><div>Merge pull request #14 from CU-CSCI-3308-Fall-2021/owen</div><div>owar3894 committed 25 days ago</div></div> <div>Commits on Nov 3, 2021</div> <div><div>Merge branch 'main' into owen</div><div>owar3894 committed 26 days ago</div></div> <div><div>made changes to comment get/post requests so they work with user sess...</div><div>owar3894 committed 26 days ago</div></div>	<div>Commits on Oct 10, 2021</div> <div><div>login and registration page</div><div>owar3894 committed on Oct 10</div></div> <div>Commits on Oct 1, 2021</div> <div><div>renamed milestone file</div><div>owar3894 committed on Oct 1</div></div> <div><div>milestone2 submission: updated with map API and tutorial links</div><div>owar3894 committed on Oct 1</div></div> <div><div>milestone2 submission</div><div>owar3894 committed on Oct 1</div></div> <div><div>milestone2 submission</div><div>owar3894 committed on Oct 1</div></div> <div><div>mongo tutorials</div><div>owar3894 committed on Oct 1</div></div> <div><div>added framework tutorial</div><div>owar3894 committed on Oct 1</div></div>	

Even Laukli:

For this project I handled the main functionality behind accessing and using the google maps API. I implemented the location validation feature and the database of locations for drawing geofences and storing information about locations. I also helped debug user validation and made sure that the comments feature on worked when a user was at the location specified. I helped test cases for scalable testing. Tech: Google Maps API, Node.JS/npm, postgresSQL, Docker, EJS, Javascript



Kyle Neff: During the project I worked mainly on the backend. I made it so people can submit comments which then get entered into the database and can be seen on our webpage. I did both the get and post requests and created a frontend table that displays comments. Also I did the backend for location searching and I started working on user favorites but that was later finished by Owen.

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99 my $url = "http://www.cnn.com";
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Commits on Nov 18, 2021	
<p>Merge pull request #75 from C2-EC2-1308-Fall-2021Style</p> <p>C2-EC2-1308-Fall-2021Style 1 day ago</p> <p>Adding files for location number, might need to edit formatted one</p> <p>C2-EC2-1308-Fall-2021Style committed 11 days ago</p>	<p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p>
Commits on Nov 18, 2021	
<p>Merge pull request #74 from C2-EC2-1308-Fall-2021Style</p> <p>C2-EC2-1308-Fall-2021Style 1 day ago</p> <p>Adding files for location</p> <p>adding files in C2 and Fall from main</p> <p>C2-EC2-1308-Fall-2021Style committed 11 days ago</p> <p>committing on a pull</p> <p>C2-EC2-1308-Fall-2021Style committed 11 days ago</p>	<p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p>
Commits on Oct 29, 2021	
<p>Adding app-end for comments</p> <p>C2-EC2-1308-Fall-2021Style committed 20 days ago</p>	<p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p>
Commits on Oct 29, 2021	
<p>Changed user, all NOTNULL to username VARCHAR(255)</p> <p>C2-EC2-1308-Fall-2021Style committed on Oct 29</p> <p>Changed points, all to location, all to comments table</p> <p>C2-EC2-1308-Fall-2021Style committed on Oct 29</p> <p>Update User, Settings, logs</p> <p>C2-EC2-1308-Fall-2021Style committed on Oct 29</p> <p>Merge pull request #71 from C2-EC2-1308-Fall-2021Style</p>	<p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p> <p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p> <p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p> <p>merged</p> <p>C2-EC2-1308-Fall-2021Style</p>

Nolan Annis: During this project I jumped around and worked on, or helped out with a number of different parts. I helped create the initial user database and deployed the site using Heroku. After the Heroku site was deployed I managed it and kept it updated. Towards the end of the project I helped debug various issues with the rest of the group. The technologies I used include Heroku, PostgreSQL, and Github. Due to some issues I ran into with github I have multiple branches, and Owen had to help me merge some commits to the main branch:

 main

Commits on Nov 17, 2021

Merge branch 'main' of <https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall-2021> ...
noan9277 committed 12 days ago

769e521

<>

adding locations to db
noan9277 committed 12 days ago

b9722b0

<>

Commits on Nov 5, 2021

Merge branch 'main' of <https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall-2021> ...
noan9277 committed 24 days ago

d1e068b

<>

adding some locations to database
noan9277 committed 24 days ago

fec172d

<>

Commits on Oct 14, 2021

User Database script
noan9277 committed on Oct 14

Verified

7a92962

<>

milestone3
elaulkicoursework committed on Oct 15

86cd3ff

<>

added homepage.ejs to nodejs implementation
owar3894 committed on Oct 15

63e4108

<>

Merge pull request #4 from CU-CSCI-3308-Fall-2021/even_branch ...
elaulkicoursework committed on Oct 15

Verified

cd97545

<>

Merge pull request #3 from CU-CSCI-3308-Fall-2021/owen ...
owar3894 committed on Oct 15

Verified

5292cd9

<>

Node js and ejs implementation
owar3894 committed on Oct 15

9f0488e

<>

Updating meetings with TA
kyne5473 committed on Oct 15

Verified

001e1d9

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added map test
elaulkicoursework committed on Oct 15

1393d80

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Merge pull request #2 from CU-CSCI-3308-Fall-2021/yefan ...
YefanWang committed on Oct 15

Verified

80830df

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basic home page
YefanWang committed on Oct 15

Verified

5d155da

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Commits on Oct 14, 2021

User Database script
noan9277 committed on Oct 14

Verified

7a92962

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Commits on Nov 11, 2021	
HEROKU TIME noan9277 committed 18 days ago	b73bf26 <>
Commits on Nov 7, 2021	
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... noan9277 committed 22 days ago	db2ed7d <>
Merge pull request #17 from CU-CSCI-3308-Fall-2021/even_branch elaukicoursework committed 22 days ago	Verified f2c3afd <>
Merge branch 'main' into even_branch elaukicoursework committed 22 days ago	Verified ea2d29b <>
locations from db elaukicoursework committed 22 days ago	a7b3270 <>
Commits on Nov 5, 2021	
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... noan9277 committed 24 days ago	6af992e <>
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... noan9277 committed 24 days ago	d1e068b <>
adding some locations to database noan9277 committed 24 days ago	fec172d <>
Merge pull request #16 from CU-CSCI-3308-Fall-2021/owen owar3894 committed 24 days ago	Verified 5f3aebc <>
Merge branch 'owen' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... owar3894 committed 24 days ago	f37e24b <>
added search testing page for comment search feature, like and dislik...	... <>

Yefan Wang:

Initial HTML/Bootstrap homepage and set front end framework/ui. Also wrote the comments search back end query and request. Other teammates help refine them and integrate the comments search part to the whole app. (here is original code i made)The technologies I used include html, nodejs. ejs, PostgreSQL, and Github

Commits on Oct 29, 2021

finished milestone4 Verified 3fa1e0d <> Tip
 YefanWang committed on Oct 29

Add files via upload Verified 8e6884d <> Tip
 YefanWang committed on Oct 29

Commits on Oct 15, 2021

Merge pull request #2 from CU-CSCI-3308-Fall-2021/yefan Verified 80830df <> Tip
 YefanWang committed on Oct 15

basic home page Verified 5d155da <> Tip
 YefanWang committed on Oct 15

```

1  <!--[DOCTYPE HTML]-->
2  <html>
3  <head>
4    <meta charset="utf-8">
5    <title>Home Page</title>
6    <!-- Include("../partials/header") -->
7  </head>
8
9  <body>
10    <!-- Show background image -->
11    <!--<frame id="backgroundImage" src="../img/frames_to_do_here-->
12    <div class="jumbotron text-center" style="margin-bottom:0">
13      <h1>App name here </h1>
14    </div>
15    <!-- Include("../partials/menu") -->
16
17    <div class="container" style="margin-top: 20px">
18      <h2>Header</h2>
19      <div class="alert alert-warning"><div> message </div>
20    </div>
21
22    <div class="container">
23      <div id="myCarousel" class="carousel slide">
24        <!-- Carousel -->
25        <ol class="carousel-indicators">
26          <li data-target="#myCarousel" data-slide-to="0" class="active"></li>
27          <li data-target="#myCarousel" data-slide-to="1"></li>
28          <li data-target="#myCarousel" data-slide-to="2"></li>
29        </ol>
30        <!-- Carousel -->
31        <div class="carousel-inner">
32          <div class="item active">
33            <img class="center-block" src="" style="height:500px; width:800px; alt="First slide" />
34            <div class="carousel-caption">
35              <h3>History near you 1</h3>
36              <p>Brief information</p>
37            </div>
38          </div>
39          <div class="item">
40            <img class="center-block" src="" style="height:500px; width:800px; alt="Second slide" />
41            <div class="carousel-caption">
42              <h3>History near you 2</h3>
43              <p>Brief information</p>
44            </div>
45          </div>
46          <div class="item">
47            <img class="center-block" src="" style="height:500px; width:800px; alt="Third slide" />
48            <div class="carousel-caption">
49              <h3>History near you 3</h3>
50              <p>Brief information</p>
51            </div>
52          </div>
53        </div>
54        <!-- Carousel -->
55        <div class="left carousel-control" href="#myCarousel" role="button" data-slide="prev">
56          <span class="glyphicon glyphicon-chevron-left" aria-hidden="true"></span>
57          <span class="sr-only">Previous</span>
58        </div>
59        <div class="right carousel-control" href="#myCarousel" role="button" data-slide="next">
60          <span class="glyphicon glyphicon-chevron-right" aria-hidden="true"></span>
61          <span class="sr-only">Next</span>
62        </div>
63      </div>
64    </div>
65  </body>
66 </html>

```

Deployment: [GeoLock Live Site](#)