**System test plan for TheStateObserver.000webhost.com**

To ensure that the website meets all of the requirements set by the developer, a series of tests will be created in this plan to verify that the needs are met.

1. The system’s homepage should be easily navigable.
   1. In order to test to see if the homepage is easily navigable, we will ask the user to find and access the following pages:
      1. Country list: A-M
      2. Country list: N-Z
      3. World Map
      4. About the Website
      5. San Marino in the “Interesting/Trending countries:” box

If the tester is able to access all of these pages from the home page, then we can guarantee that the website does in fact satisfy the “easily navigable” requirement.

1. The system’s homepage will have a series of tabs that allow a user to view the A-M and N-Z country list, the world map, the about the website, or the homepage section.
   1. In order to test if this requirement has been met the user will navigate to the home page and look at the bar on the top of the screen. Upon looking the user will see the bar and then click all of the links on bar. If each link does in fact bring them to the part of the website that it says then we can conclude that this requirement has been met.
2. The homepage will have a social media function implemented that will allow users to post about the website to various social media sites.
   1. In order to test this requirement the user will navigate to the home page. Once they are on the homepage they will then look to the middle of the screen where the welcome text is. In the welcome text box they will see two social media buttons for both twitter and Facebook. Clicking on these buttons will then redirect them to the respective websites proving that this requirement has been met.
3. The websites announcements section will be clear and easy to understand incase an announcement needs to be posted.
   1. To test if this requirement has been met the tester will go to the “About the Website” page. While on this page the tester will navigate down to the announcements box where they will find the earliest announcement on the page. If the user is successfully able to understand this announcement and it is written clearly then we will mark this requirement as complete.
4. The websites about section will have the author of the website and a contact page that allows users to send feedback to the author.
   1. In order to test this requirement, the user will navigate down to the “About the Website” page. While on this page the user will attempt to find the “About the Website” text section. If they find the box, they will then look inside of the box and should they be able to find the author’s email, the test will be though of as complete and the requirement met.
5. The system should employ API’s to update a countries pertinent information concerning the country.
   1. To test if this requirement has been met the tester will navigate to a random country in either Country List: A-M or Country List: N-Z. Once they have chosen a random country, they will navigate to the left side of the screen on the first row with the country name. Here they will right click on the name of the country and click “inspect element” in the menu. In this menu they will now scroll down to the ‘<script>’ section where on the first line they will look for the ‘url’ variable which serves as the constant that holds the api url. Should they see this then the requirement will be marked as complete due to this constant being used to fetch the country data.
6. The website will use opensource widgets from the social media companies in order to allow for users to post from the website.
   1. In order to test if this requirement has been met the user will navigate over to the home page. On the home page the user will go over to where the twitter and Facebook buttons are and right click on the buttons. They will then choose inspect element from the menu and look at the line of code that they are brought too. Upon looking at this code the user will then compare this line to the line that is given from publish.twitter.com when the share feature is selected. If these two lines of code are similar then the user can conclude that the code used was open source which would complete the requirement.
7. The website will use easy to understand font to allow users to easily view the announcements and other text related to the website.
   1. To test if this requirement has been met the tester will go to the “About the Website” page. While on this page the tester will navigate down to the announcements box where they will find the earliest announcement on the page. If the user is successfully able to understand this announcement and it is written clearly then we will mark this requirement as complete.
8. The contact page will have an email that will allow users to email the author.
   1. In order to test this requirement, the user will navigate down to the “About the Website” page. While on this page the user will attempt to find the “About the Website” text section. If they find the box, they will then look inside of the box and should they be able to find the author’s email, the test will be though of as complete and the requirement met.

Should all of these requirements be met, we can successfully say that all the requirements for the website have been fulfilled.