Mandatory (Must/Shall):

1. The system shall display appropriate information for therapists.
   1. The system shall require the below listed information about therapists:
      1. Provider\_ID
      2. First Name
      3. Last Name
      4. Associated Practice ID
      5. Associated Address ID
      6. Whether or not the therapist accepts insurance
      7. A list of insurances accepted, if any
      8. List of specialties
2. The system shall display appropriate information for facilities.
   1. The system shall require the below listed information about facilities:
      1. Facility ID
      2. Facility Name
      3. Associated address\_ID
      4. Facility Phone
      5. Facility Hours
      6. Whether or not you can do a walk in to be admitted
      7. Insurances Accepted
      8. Facility Specialties
3. The system shall display appropriate information for medication management resources.
   1. The system shall require the below listed information about medication management resources:
      1. Provider ID
      2. First Name
      3. Last Name
      4. Associated Practice ID
      5. Whether or not accepts insurance
      6. Insurances Accepted
      7. List of provider specialties
4. Users shall be able to search for specific types of resources based on at least one criteria.
5. Users shall be able to submit a request for a new mental health resource to be added to the database through a form on the website.
6. The system shall have a security feature for new resource submissions.
7. The system shall not allow unauthorized users to directly add new resources to the database.
8. The system shall display an example list of 12 resources.
9. The system shall separate this homepage list into genres on the home page.
10. The system shall display 4 of each type of resource in the example list on the homepage.
11. The system shall confirm submission of new resources.

Optional:

1. The system may have advanced search based on multiple criteria.
2. The system may have a search option for a geographical area.

Functional – what the solution MUST do:

Non-functional – describes what constraints exist on the solution:

1. The solution shall load resources in <= 1 second from the point the URL is entered in a browser.
2. Search results shall be displayed <= 1second after the search button is selected.
3. The system shall have security measures for submissions.
4. The site shall be ADA compliant.
5. The system shall handle 500 concurrent users at a time without performance degradation.
6. The system shall load up to 12 resources on a page at a time without performance degradation.
7. The system interface shall be intuitive.
8. The system shall allow for new pages to be created if so needed at a later time.
9. The system shall allow for expansion to cater to more user groups if so needed at a later time.

Must/Shall

1. The system shall assume that a medication provider is associated with a practice.
2. The system shall require an associated practice for a medication provider.
3. The system shall assume that a medication provider can only be associated with one practice at a time.
4. The system shall assume that medication providers can be associated with multiple facilities.
5. The system shall assume that one medication management practice can be associated with multiple medication providers.
6. The system shall assume that a therapist is associated with a practice.
7. The system shall require an associated practice for a therapist.
8. The system shall assume that a therapist can only be associated with one practice at a time.
9. The system shall assume that therapist can be associated with multiple facilities.
10. The system shall assume that one therapist practice can be associated with multiple therapists.
11. The system shall assume that multiple practices can be in the same facility.
12. The system shall assume that one facility can only have one address.
13. The system shall allow for resource searches based on a university name for students benefit.
14. The system shall show appropriate information to direct suicidal patients.
    1. The system shall display a small infographic stating that all psychiatric emergencies should be directed to 988 or the emergency room.
15. The system shall provide appropriate information for medication management and therapeutic practices
    1. Practice ID
    2. Practice Name
    3. Practice Hours
    4. Practice phone number
    5. Whether or not insurance is accepted
    6. Insurances accepted
    7. Practice specialties
    8. Associated address ID
16. The system shall provide appropriate information for Addresses
    1. Address ID
    2. Street Number
    3. Street
    4. City
    5. State
    6. Postal
    7. Country
17. The system shall provide appropriate information for facilities
    1. Facility ID
    2. Facility Name
    3. Facility Phone
    4. Facility Hours
    5. Whether or not you can be walk in in admitted
    6. Insurances accepted
    7. Facility specialists
    8. Associated address ID
    9. Boolean value for if they have inpatient programs
    10. Boolean value for if they have outpatient programs

Test Cases:

A) Precondition: The user is not currently at the EAST TN Mental Health Resources Website.

Action: Navigate to the correct URL/Homepage and scroll down to view full example list.

Postcondition: A list of mental health resources is displayed in under a second on the front page with required information displayed for each resources type – 12 resources total and separated by genre.

B) Precondition: The user is not currently in a selected individual therapist resource information page.

Action: Click a therapist resource to display all information.

Postcondition: All information including first name, last name, associated practice name, associated practice address, phone number, whether insurance is accepted, insurances accepted is displayed.

C) Precondition: The user is not currently on a selected individual facility resource information page.

Action: Click a facility resource to display all information.

Postcondition: All information including facility name, facility address, facility phone, facility hours is displayed.

D) Precondition: The user is not currently on a selected individual medication management resource information page.

Action: Click a med mgmt resource to display all information.

Postcondition: All information including first name, last name, associated practice name, associated practice address, phone number, whether or not insurance is accepted, insurances accepted is displayed.

E) Precondition: The user is currently on an East TN MHR page with a search bar.

Action: The user navigates to the left side search pane and selects at least one criteria that is not geographical.

Postcondition: A list of mental health resources is displayed in under a second on the front page with required information displayed for each resources type – 12 resources total and separated by genre.

F) Precondition: The user is currently on an East TN MHR page with a search bar.

Action: The user navigates to the left side search pane and selects at least 2 criteria that are not geographical.

Postcondition: A list of mental health resources is displayed in under a second on the front page with required information displayed for each resources type – 12 resources total and separated by genre.

G) Precondition: The user is currently on an East TN MHR page with a search bar.

Action: The user navigates to the left side search pane and selects the geographical search criteria.

Postcondition: A list of mental health resources is displayed in under a second on the front page with required information displayed for each resources type – 12 resources total and separated by genre.