




National Drug Court Resource Center

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COVID-19 Impacts

Due to the Covid19 pandemic the project faced several setbacks. After multiple changes, the decision was made to stick with one platform (WordPress). While several parts of this document references multiple platforms, the rest were dropped mid-project. The final two deliverables will be focused on this single platform with documentation based on creating a tutorial on how to create a WordPress website.



Purpose

This Software Project Plan provides the framework and establishes specific strategies as well as software used in the execution of the development of a National Drug Court Resource Center.

Project Goal

To provide a website that is intuitive and easy to use that will replace the current NDCRC website. The new website should adhere to web design standards while following web design best practices. A platform should be chosen that a single web developer can maintain and update while not being too simple as to lose some of the freedom to make changes as needed.

Risk Assessment

Risk		Probability	Impact	Risk Rating	Action
Scheduling					
Personal schedule conflicts	Team members are students and schedules will differ.	Occasional	Insignificant	Medium	We can utilize group me to figure out times that suit each person.
Estimation and scheduling issues	Software is intangible and unique making it a difficult thing to estimate and schedule.	Likely	Marginal	High	Utilize the processes and techniques learned in class and develop a well thought out plan for each stage of development in order to create a project schedule.
Technical					
Lack of understanding of tools	Tools used may be new or unfamiliar to team members.	Seldom	Marginal	Medium	Questions concerning tools used for management or development will be discussed. Individual face-to-face assistance will be utilized if necessary.
Unclear specifications	The specifications that are received from the stakeholder may be confusing or vague to team.	Seldom	Marginal	High	The team will contact the stakeholders via email to clarify.
Compromising on designs	Team members may have issues agreeing on how to implement certain requirements.	Occasional	Marginal	Medium	Team members will develop a plan. If the plan includes multiple methods of implementing a function the stakeholder will have the final say of how it is to be implemented.
Management					
Poor communication	Members of development team do not communicate with each other.	Unlikely	Insignificant	Low	Each team member is required to use Groupme for communication.
Individual responsibilities unclear	Team members may not be aware of individual responsibilities.	Seldom	Marginal	Medium	Each team member is required to use Trello for management of tasks.
Productivity issues	Team members may have issues motivating themselves to complete assigned tasks.	Unlikely	Moderate	Medium	A team member's performance has to potential to impact their grade in the course.
External					
Lack of stakeholders' input	Team may have issues receiving input about project from stakeholders.	Unlikely	Moderate	Medium	Meetings will be scheduled at different stages and continuous communication will be done by email.
Needs of stakeholders not met	Due to time constraints (semester) a completed product may not be achieved.	Likely	Critical	Extreme	Team will establish realistic goals and prioritize functions that are most needed.
Sudden growth of requirements	Requirements may change and increase depending on the stakeholders.	Seldom	Moderate	High	Team members will give new requirements a priority based on the importance of the requirement and the functionality of the product.

Activity Log

Date	Name	Reading/Project Time
20-Jan-2020	Kenneth Mcmillan	20 min
22-Jan-2020	Kenneth Mcmillan	30 min
23-Jan-2020	Kenneth Mcmillan	10 min
23-Jan-2020	Amber Kurker	30 min
24-Jan-2020	Jeremy Thomas	45 min
26-Jan-2020	Anna Gallagher	30 min
27-Jan-2020	Amber Kurker	1.5 hrs
27-Jan-2020	Jeremy Thomas	2 hrs
27-Jan-2020	Dylan Grafius	2 hrs
28-Jan-2020	Kenneth Mcmillan	1 hr
29-Jan-2020	Kenneth Mcmillan	4 hrs
29-Jan-2020	Anna Gallagher	40 min
29-Jan-2020	Amber Kurker	2 hrs
29-Jan-2020	Dylan Grafius	2 hrs
29-Jan-2020	Jeremy Thomas	1.5 hrs
2-Feb-2020	Kenneth Mcmillan	1 hr
5-Feb-2020	Amber Kurker	45 min
10-Feb-2020	Amber Kurker	30 min
11-Feb-2020	Anna Gallagher	2 hrs
14-Feb-2020	Amber Kurker	1 hr
17-Feb-2020	Amber Kurker	1 hr
17-Feb-2020	Kenneth Mcmillan	2 hrs
17-Feb-2020	Dylan Grafius	1 hr
18-Feb-2020	Jeremy Thomas	4 hrs

18-Feb-2020	Anna Gallagher	1 hr
18-Feb-2020	Dylan Grafius	2 hrs
19-Feb-2020	Kenneth Mcmillan	2 hrs
27-Feb-2020	Kenneth Mcmillan	3 hrs
24-Mar-2020	Dylan Grafius	1 hr
27-Mar-2020	Amber Kurker	1.5 hrs
29-Mar-2020	Amber Kurker	45 min
29-Mar-2020	Dylan Grafius	1.5 hrs
30-Mar-2020	Anna Gallagher	1 hr
31-Mar-2020	Anna Gallagher	2.5 hrs
31-Mar-2020	Jeremy Thomas	1.5 hrs
23-Apr-2020	Jeremy Thomas	5 hrs
24-Apr-2020	Dylan Grafius	1.5 hrs
24-Apr-2020	Anna Gallagher	4 hrs
24-Apr-2020	Amber Kurker	3 hrs
1-May-2020	Amber Kurker	1 hr
2-May-2020	Amber Kurker	1.5 hrs
2-May-2020	Anna Gallagher	1.5 hrs
3-May-2020	Amber Kurker	45 min
3-May-2020	Anna Gallagher	1 hr

Meetings

Date	Meeting time	Meeting Minutes	Attendees
24-Jan-2020	9:00 AM	30 min	Attendees: Dr. Lanier, Dr. DeVall, Anna Gallagher, Kenneth Mcmillan, Dylan Grafius
28-Jan-2020	3:00 PM	15 mins	Attendees: All group members
30-Jan-2020	3:00 PM	15 mins	Attendees: All group members
4-Feb-2020	3:00 PM	15 mins	Attendees: All group members
6-Feb-2020	3:00 PM	15 mins	Attendees: All group members
11-Feb-2020	3:00 PM	15 mins	Attendees: All group members
13-Feb-2020	3:00 PM	15 mins	Attendees: All group members
14-Feb-2020	3:30 PM	1 hr	Attendees: All group members
21-Feb-2020	3:30 PM	1hr 20 min	Dylan, Kenneth, Jeremy
25-Feb-2020	3:00 PM	15 mins	All group members
28-Feb-2020	3:30 PM	1hr 20 min	Kenneth
3-May-2020	11:00 AM	30 min	All group members

Software Utilized



GroupMe: a messaging app utilized for communication between group members.



Trello Boards: used to manage individual tasks and tracking system.



Draw.io/Excel: used to create diagrams and other visualizations

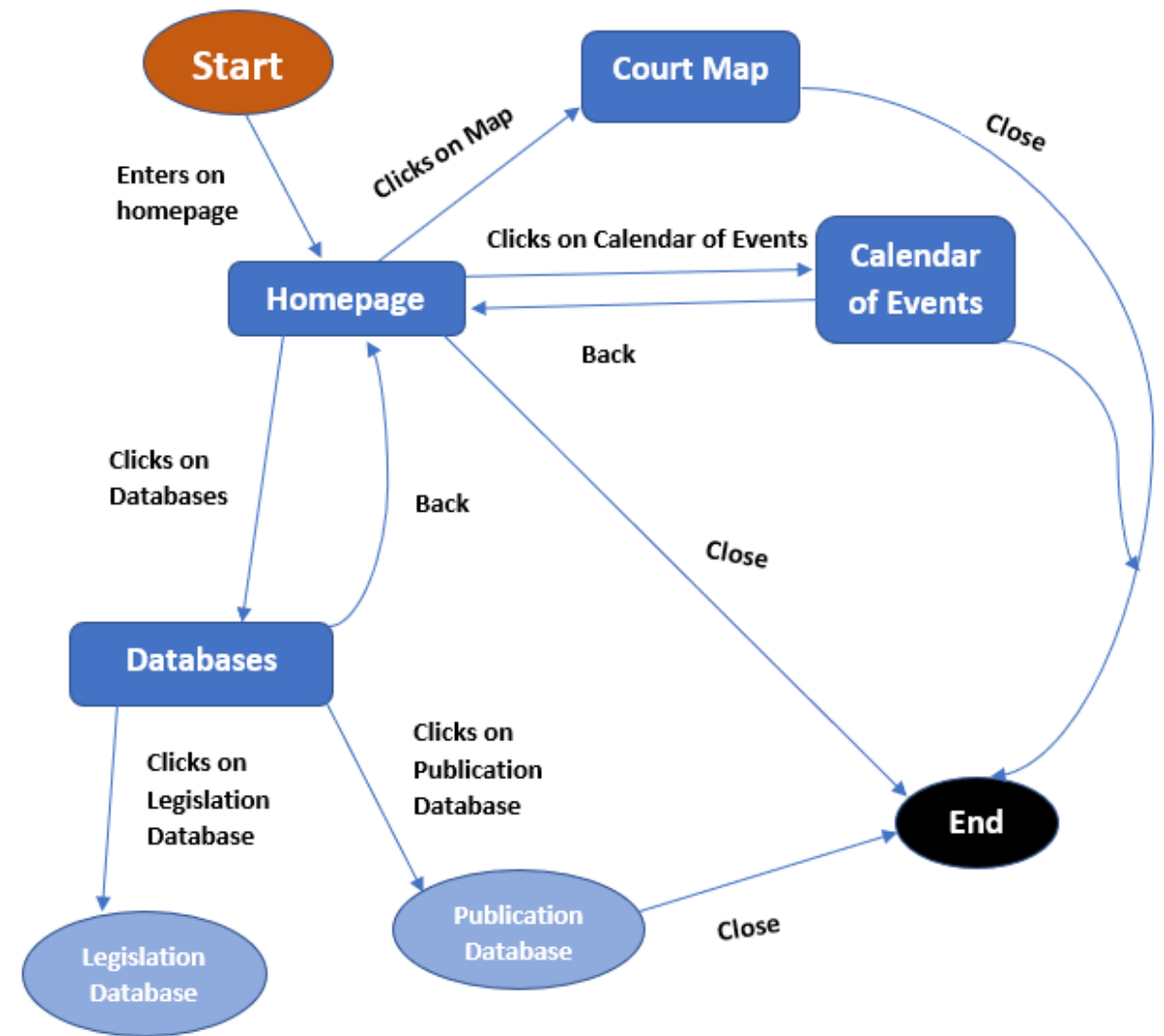


Google Docs: documentation of all deliverables.



WordPress: platform used to create a new NDCRC website.

Behavioral Description



Software Requirements & Constraints

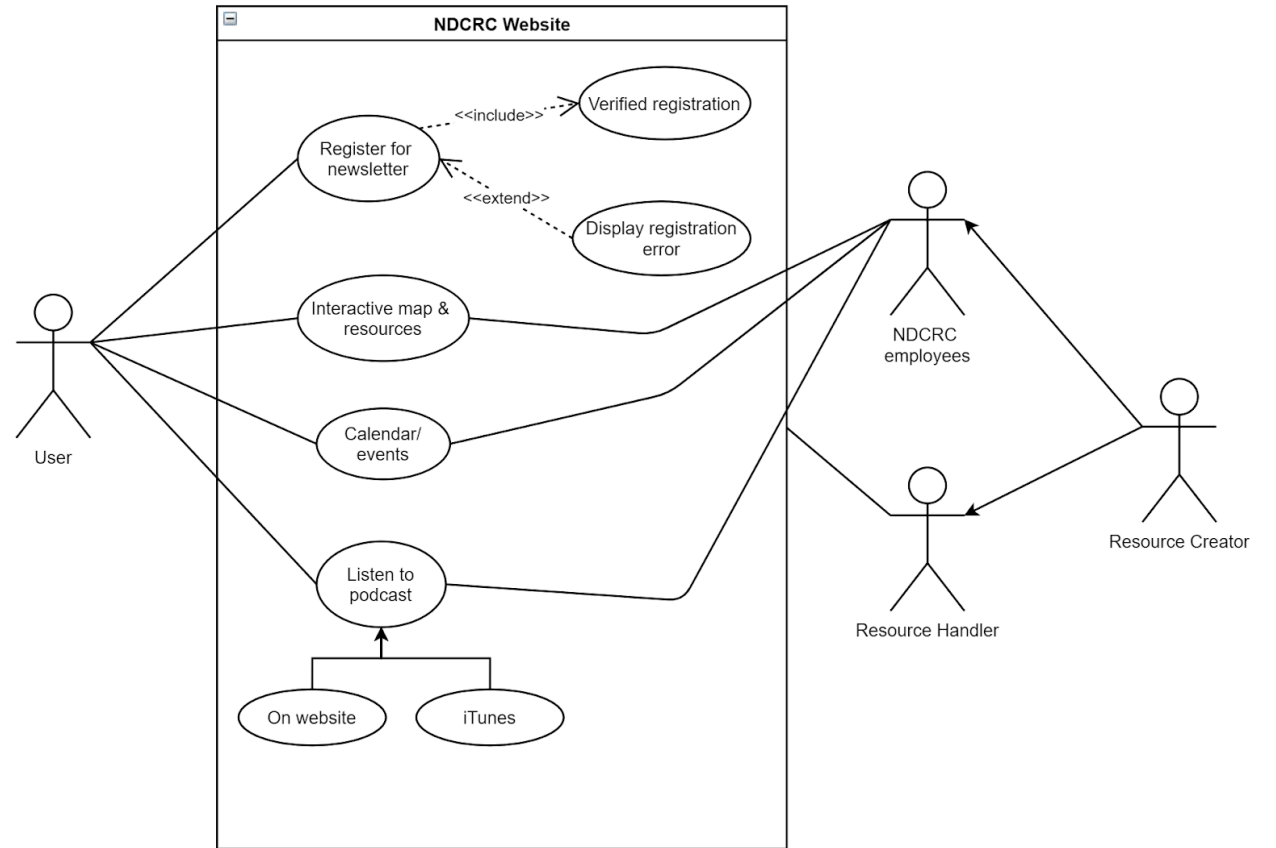
Requirements

- ▶ The main requirements from the software being used to make the sites are being able to contain large organized databases that use keywords and phrases when users search for specific material, ability to have a safe and thorough monetary flow between the users and the site, be able to maintain an updated database that contains the users who are registered for the newsletter while removing any who wish to be removed and the software used must be able have full and efficient functionality while having high user traffic.

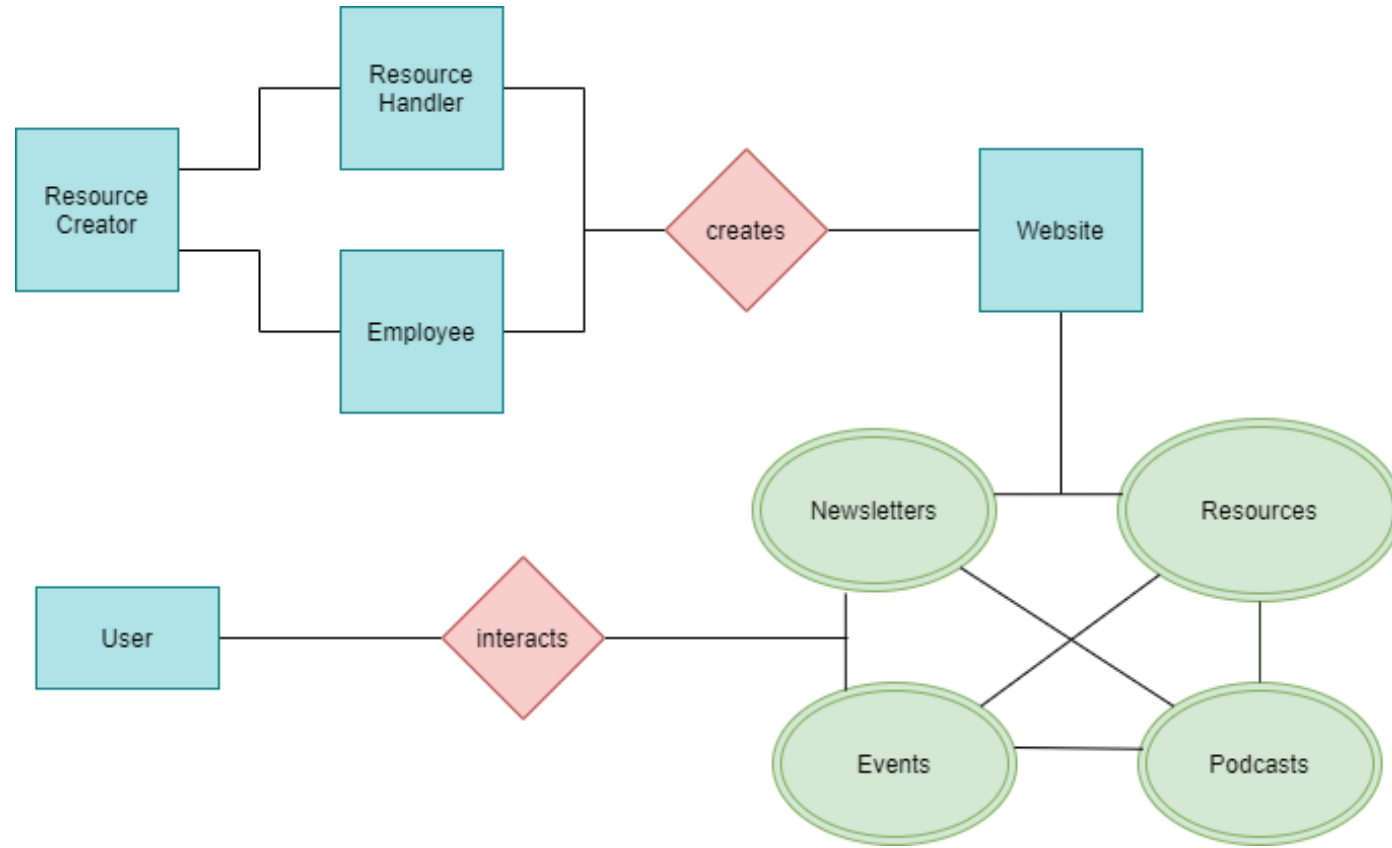
Restrictions & Limitations

- ▶ The design constraints/limitations that this project faces are the sizes of the databases that contain the publication and legislation that pertain to the NDCRC, maintaining the current site using WordPress as a platform while keeping track of plugins being used, and any/all of the limitations of the 3 different platforms being used to create the sites (WordPress, Adobe Dreamweaver, and Duda).

Use Case Diagram



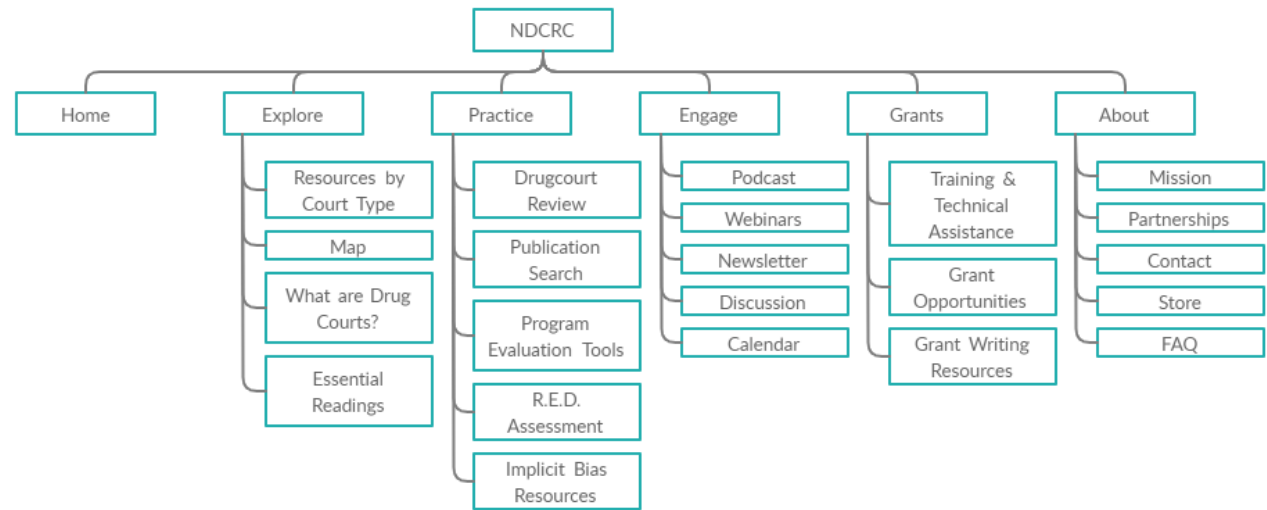
Data Design



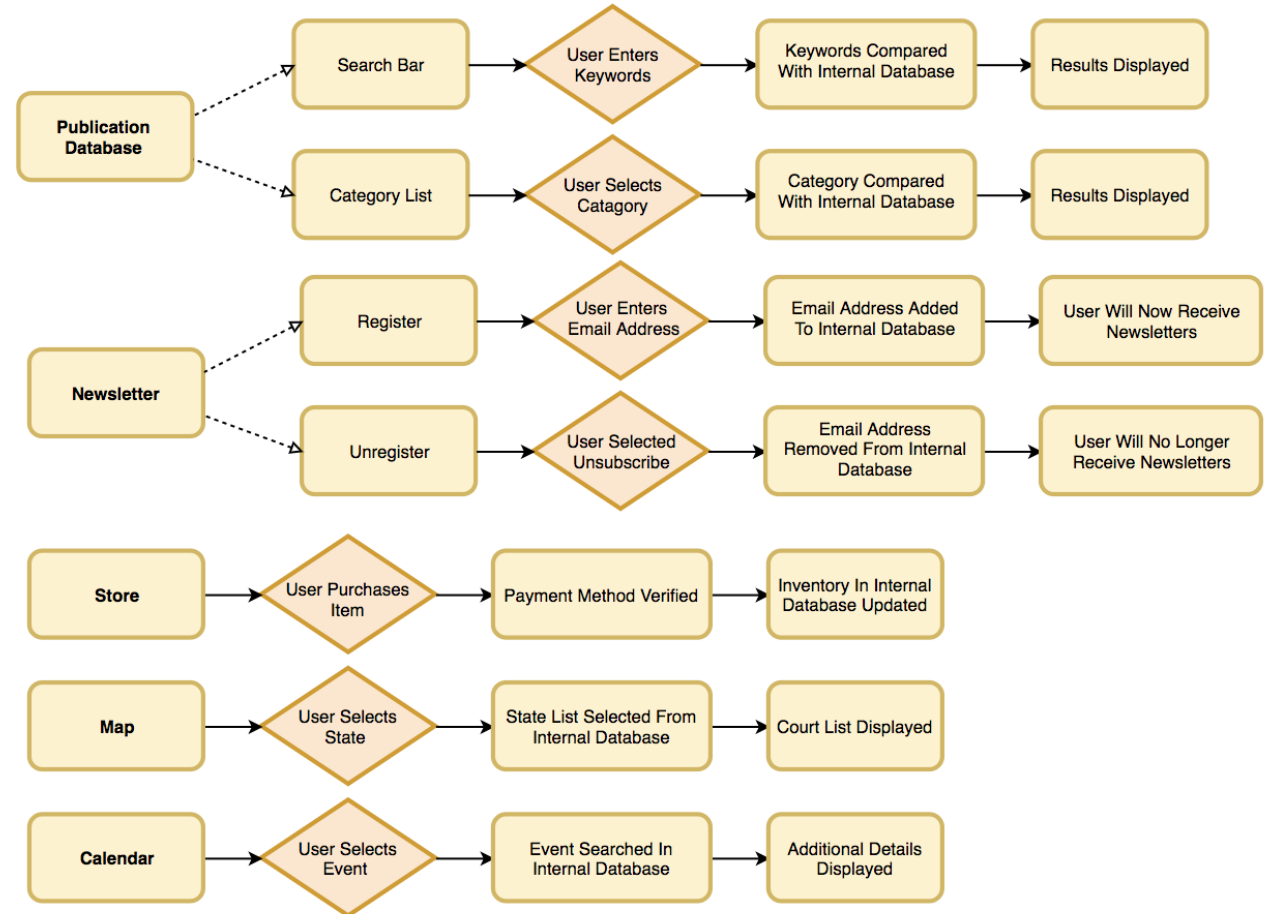
System Limitations

Restrictions and limitations will vary with the platform that we choose to utilize in the end. Basic limitations for the construction of the website will include the price of the software used to implement the website design. Our stakeholders will be providing the design elements including graphics, logos, colors, and layout.

Architectural Design & Description



Interface Design



Interface Description

For the user interface that the client will interact with it is crucial that the following criteria are met. The user should be placed in such control that allows flexible interaction that can be undoable, but also prevents access to technical internals. In addition to this, the user's memory load should be reduced, making the paths to resources clear and concise. (i.e. less clicks from point A to point B). The last important rule to note is that the interface should be consistent throughout. If one list is presented to the user in a scrollable field, other lists should be presented the same way where applicable.

What to Test

- ▶ NDCRC website
 - ▶ Is it visually appealing to the user?
 - ▶ Do the desired functions work?
- ▶ WordPress website tutorial
 - ▶ Are the instructions clear and concise?
 - ▶ Is someone who has no experience in WordPress able to create a website?

Functional Testing

- ▶ Data/techniques
 - ▶ Walkthrough of site with stakeholders to show functionality
- ▶ Test Cases
 - ▶ Calendar of Events, Databases (Publication & Legislation), and Newsletter
 - ▶ All pages of the site that do not contain information but are visible
- ▶ Expected Results
 - ▶ Functions implemented to run without issue

Structural Testing

- ▶ Criteria
 - ▶ Structure and layout of website meets stakeholders' expectations
- ▶ Data/Techniques
 - ▶ Demonstration of site to stakeholders to show off all pages
- ▶ Expected Results
 - ▶ Site structure and layout meets the requirements

Integration Testing

- ▶ Strategies used:
 - ▶ Show site with full functionality to stakeholders
 - ▶ Navigate through all pages/tabs utilizing functions
 - ▶ Adjust according to feedback
- ▶ Drivers & Stubs
 - ▶ No drivers or stubs used when testing the site

Integration Testing Cases

- ▶ All functions implemented:
 - ▶ Calendar of Events
 - ▶ Publication/Legislation Database Searches
 - ▶ About page
 - ▶ Other pages contained

Errors Detected and Corrected

- ▶ Changes were made to the physical layout of the site
- ▶ Changes include:
 - ▶ Putting the disclaimer at the bottom of the homepage
 - ▶ Transfer information from Contact Us page to Staff page
 - ▶ Capitalize the words "Court" and "Drug" in navigation bar

Testing Evaluation

- ▶ Results were as expected
 - ▶ Site functionality met expectations
- ▶ Changes to the site were strictly visual components

A solid blue circle is centered on a white background. Inside the circle, the word "Tutorial" is written in white, underlined text. The background of the entire slide features blue geometric shapes on the left and right sides.

Tutorial

Drug Court Review II

The second issue of the Drug Court Review academic journal is now released! This issue offers a collection of articles on innovative approaches, program implementation, and evaluation in the treatment court field.

[Read More](#)

How We Support Treatment Courts

A blue circle containing the text "NDCRC" and "Website" stacked vertically, with a horizontal line between them. The text is white and underlined.

NDCRC
Website



Questions?