



BackToDirtConservancy.com

(possible other URLs: btdc.bike, BackToDirtConservancy.org)

Website Requirements

Version: 01

Date: 2022.01.28

Purpose:

Provide a written list of specifications that the new BackToDirtConservancy.com website should adhere to. The new BackToDirtConservancy.com website is broken into three distinct phases. Phase1, will be to implement a new static website with content. This will include new formatting and a modern design layout. Phase2, will be to retrofit this new website with dynamic behavior. This will include API integration to TrailForks, PayPal, Instagram, Google Calendar, MeetUp and any other pertinent data source. Phase3, will include a DB to host membership status, contact information, and trail work history. In general, a tracked data warehouse for administrative details. In addition, a “admin” portal will be created, so that team-leadership will have privileged access to create/update/delete information.

Phase1 – Static Website:

The following is a set of requirements to meet Phase1.

SR001 Common Banner

Use a common banner across all linked pages. Banner to include more granular segregation of information.

SR002 Responsive Design

Use a responsive design, so that the site looks good on different platforms and screen sizes. The current plan is to use Bootstrap.

SR003 Modern Typeset and Color Schema

Use a modern typeset and color schema. Color schema should be high contrast and easy on the eyes.

SR004 Encrypt the pages

Add scripts to manage free secure certificates for HTTPS (<https://letsencrypt.org/>).

SR005 (Optional) Sponsorship Column on Main Page.

Include a sponsorship column, segregated by donor amount (size of icon and position).

SR006 (Optional) Placeholder for Facebook Events on Main Page.

Include a placeholder for Facebook Events. In the past FaceBook has been a pain in the ass and I would like the FaceBook group to be a nice ‘side-channel’ for information

rather than the default source for information.

SR007 Common Footer

Use a common footer across all linked pages. Footer to include links to social media and designer information.

SR008 (Optional) Use a scrolling Photo Banner on Main Page.

Use a scrolling Photo Banner on the Main Page. Use simple javascript to poll from a fixed directory a limited set of formatted images. Photos will later be managed from the admin portal.

SR009 Page for “Newbies”

Create a page containing all relevant information for new riders to the area, and how to volunteer/join the group.

SR010 Page for Bylaws

Create a page containing all relevant information for bylaws.

SR011 Page for Meeting Minutes

Create a page containing all relevant information for BTDC meeting minutes.

SR012 Page for New/Ongoing Projects

Create a page containing all relevant information for BTDC trail building, pumptrack, etc. type projects.

SR013 Page for Donations

Create a page containing all relevant information for BTDC donations. First we will add the PayPal and TrailForks-Trail Karma buttons.

SR014 Page for Merchandise Purchases

This would be an announcement page for merchandise, but then a link to a co-op shopping platform like ‘Shopify.com’, which would take a transaction cut of the proceeds, but would handle all of the logistics, security, and credit card transactions (which is a real time saver).

Phase2 – Dynamic Website:

The following is a set of requirements to meet Phase2.

~~DR001 Facebook Event integration~~

~~Use Facebook's Graph API, to poll Event information from the BTDC facebook group. This should include all important information, including the cover photo. Data is stored on local DB, and a REST service is provided. Events are sorted in chronological order~~

~~in future date format. Canceled events are also included. Clients use the REST service to poll all information and render.~~

DR002 — Facebook Group integration

~~Use Facebook's Graph API or a widget (if one is found) to include relevant information from the BTDC group.~~

DR003 Google Calendar – Show BTDC Planned Events and Meetings

This would have a simple agenda view of upcoming BTDC planned events. It would not have 'attending' functionality.

DR004 Trailforks – Trail Maps integration

Use PinkBike-Trailforks API for trail maps.

DR005 Trailforks – Trail Reports integration

Use PinkBike-Trailforks API to retrieve latest trail-reports, include in the trails section.

DR006 Trailforks – Trail Usage integration

Use PinkBike-Trailforks API to retrieve latest trail usage reports, include in overview page in the trails section.

DR007 Instagram - #Tag Moderator

Use the Instagram platform to share moderated/tailored photos from a public hashtag. This may be tricky, since FaceBook has a history of locking out accounts and forcing to login to view.

Phase3 – Administrative Database:

The following is a set of requirements to meet Phase3.

AR001 Member/Rider Database

Create a DB schema to hold all IMBA-like related information about our membership. This will include information about membership relations, dates, expirations, contact information, preferences, etc. In addition, non-members may be included with a simple flag indicating non-membership, this may be used later on to track volunteer hours.

AR002 Trailwork/Volunteer Event Database

Create a DB schema to hold distinct trailwork/volunteer events. *This is dependent upon finishing the Administrative Database.* Add a page for reporting worklogs to projects. In addition, add drill downs, so members can see their volunteer hours. Include a barchart showing hours committed to open projects.

AR003 Trailwork/Worklog Database

Create a DB schema to hold all member/non-member volunteer hours against events. This may also be used to track hours spent on administration.

AR005 Create a Admin Portal

Create a subdomain “admin.backtodirtconservancy.com”, with user authentication. Once authenticated, the user will have the ability to configure the banner images, modify membership status, and submit trailwork/worklogs.

AR006 Worklog import

Allow admins to import *.xlsx worklogs (this is a convenience function, which may be replaced by the typical input functions). This requires a fixed *.xlsx schema.