

Shropshire Botanical Society Online Flora

Web application Specification

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23rd August 2020

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1 Summary

1	The Shropshire Botanical Society seeks to provide access to collected records
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2 Background

The Shropshire Botanical Society (referred to here as ‘the Society’) has been dedicated to promoting the enjoyment, understanding and conservation of the flora of Shropshire since XXX. One of the principle activities of the Society is to collect and maintain records of plant sightings within the historical boundaries of the county of Shropshire. The Society has a database of records dating as far back as the 18th century. Since 2003 the Society has made these records freely available online via a bespoke web application or Online Flora. The web application is still available at <https://captain-blue.azurewebsites.net/> but unfortunately the data is now many years out of date. This original Online Flora was written using PHP and CodeIgniter Web Framework backed by MySql database.

Currently all the Society’s records are also submitted to the National Biodiversity Network Atlas and 2017 the Society’s records have been available via a web service at <https://api.nbnatlas.org/>.

The Society now seeks to build on the success of their earlier Online Flora, by revising the web application to make use of National Biodiversity Network Atlas web service to provide the data, whilst also providing a more modern mobile interface.

3 Searching and Scenarios

Search only, no data entry,

The new web application should largely replicate the functionality of the original web application. It should therefore provide a method to

search for

Name records of a sep

Site

Monad or Grid Square or

4 Users

Knowledgeable In the field on mobile (Android) Home research on desktop (the majority of Window and Chrome)

5 Search County by Plant Name

5.1 Mobile



Search within the entire collection for the county.

Scientific Name selected by default.

Common Name where common name is selected only those sightings
with a common name will be show.

Axiophytes

5.2 Desktop

Shropshire Online Flora...

[http://flora.shropshirebotany.org.uk/](#)

[Find a Species](#) [Find a Site](#) [Find a Monad](#) [Contact](#)

Enter all or part of a name

☒ Scientific Names ☐ Common Names Only ☐ Axiophytes Only

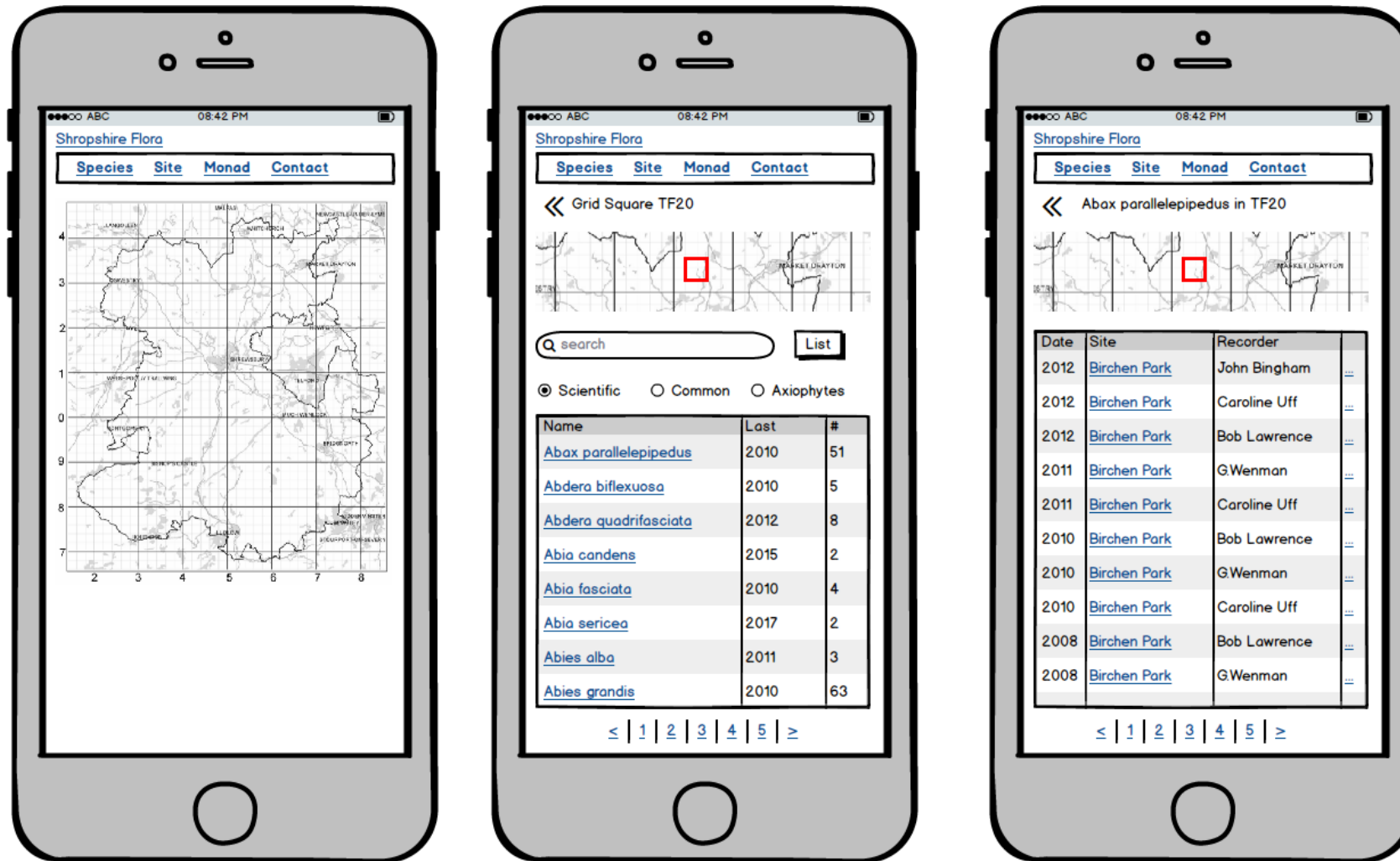
Try something like "Hedera"

Family	Scientific Name	Common Name	Last Seen	Records
Carabidae	Abax parallelepipedus		2010	51
Melandryidae	Abdera biflexuosa		2010	5
	Abdera quadrifasciata	2012	8	
	Abia condens	2015	2	
	Abia fasciata	2010	4	
	Abia sericea	2017	2	
Pinaceae	Abies alba	European Silver-fir	2011	3
Pinaceae	Abies grandis	Giant Fir	2010	63
Pinaceae	Abies procera	Noble Fir	2020	4
	Abortiporus biennis	Blushing Rosette	2010	1
	Abraeus granulum	2010	1	

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6 Search Grid Square by Plant Name

6.1 Mobile



7 Technical Constraints

Success with PHP and CodeIgniter Happy with PHP source developers from within the ranks of members.

PHP 7.3 for deployment to Google App Engine.

CodeIgniter 4.0.4 happ with No Caching to reveal performance, caching later.

Twitter Bootstrap 4.5.2 for responsive. No Client Detection Just responsive.

Leaflet 1.6.0 Mapping
<https://github.com/DuncanRowland/NBNMapOverlayExamples>

No NBN API Calls from the Client

Commits to Github branching but no where else. at Github The Society will

Style Sheet from the Website

JavaScript plain

Google Analytics embed.