Using SitePal in the React-Native Framework
10/07/2022

Notes:
1. *SitePal package code will not work in React Native CLI (bare workflow), but only in the Expo app – please see detailed note at bottom.*
2. *Using SitePal API Functions in React Native requires the Platinum Plan or an Integrator License.*
3. *Turn OFF 'Secure Playback' option for your SitePal account- this option is not relevant to React Native and will prevent your character from loading.*

Embedding Your Character in React Native

To embed your SitePal Scene in React-Native, you will need to -

A. Install Sitepal-React-Native package form the NPM site.

  npm i sitepal-react-native

After installing the package simply import this package into your component.

  import SitePal from 'sitepal-react-native';

B. Copy the full parameter string from your embed code – and assign it to a variable. Here's how.

  If this is your SitePal embed code -

```
<script type="text/javascript" src="//vhss-d.oddcast.com/
vhost_embed_functions_v4.php?acc=XXX&js=0"></script>
<script type="text/javascript">AC_VHost_Em-
bed(XXX,600,800,"",1,1,YYY,0,1,0,"ZZZ",0,0);</script>
```

  Create a variable named 'embed'.

```
const embed = `XXX,600,800,"",1,1, YYY,0,1,0,"ZZZ",0,0`;
```

C. Call the component whereever you want to use it - like this:

  < SitePal embed={embed} >

That's It. The character will be shown.

Tutorial video can be viewed here

  https://www.sitepal.com/api/examples/react-native/MyReactMovie.mp4

Calling SitePal API Functions

To call the SitePal Player functions, create the state for eh function with same name.

For example we want to call the sayText() function.

      a. Create state for the function
           const [sayText, setSayText] = useState(undefined)
      b. Create a function to set the state and pass the required perms to the state.
           const sayTextFn = () => {
                       setSayText(['Welcome to our text to speech API example',3,1,3]);
           }
      c. Finally pass that state to the SitePal component and the rest will be handled by our package.
           < SitePal embed={embed} sayText={sayText} >

When you trigger this function then the sayText function will be called automatically.

Note: SitePal package code will not work in React Native CLI

The Sitepal package code will work in the Expo SDK, and also in the Expo ejected app.
You can eject the Expo app by using the "Expo Eject" command, which will convert the project to bare work flow (Different directories for Android and iOS) but after ejecting it will still use the expo SDK in which Javascript loads fine. You may perform any customization and/or use native modules after ejecting the app from Expo.
React native CLI (Bare Flow) does not uses the Expo SDK and that's why external Javascript does not load.

Questions? Ask us at support@sitepal.com