Claims

1. A method, comprising:

at a client device that includes a processor, a memory, and a network interface device:

transmitting, to a web server and via the network interface device, a Hypertext Transfer Protocol (HTTP) request message, wherein:

the HTTP request message indicates a Uniform Resource Locator (URL) for a single page application (SPA);

the SPA is part of a web application that includes multiple SPAs;

the SPA comprises a global module that is common to the multiple SPAs in the web application and a child module that is specific to the SPA; and

a portion of the URL is a child module identifier that uniquely identifies the SPA within the web application;

receiving, from the web server and via the network interface device, one or more HTTP response messages, wherein the HTTP response messages include:

Javascript code that defines the global module;

Javascript code that defines the child module; and

a child module configuration object that includes configuration data for the child module;

loading the global module; and

loading the child module, wherein the loading the child module includes:

using the child module identifier to obtain a reference to the child module configuration object;

initializing the child module; and

configuring the child module based on the child module configuration object.

2. The method of claim 1, wherein the client device further includes a display device, the method further comprising:

generating a user interface based on the global module and the child module; and

displaying the user interface on the display device.

3. The method of claim 1, wherein the global module and child module are AngularJS modules.

4. The method of claim 1, wherein the child module configuration object is received in the one or more HTTP messages as a JavaScript Object Notation (JSON) object.

5. The method of claim 1,

wherein the child module configuration object indicates one or more AngularJS views associated with the child module,

wherein each of the AngularJS views is associated with a respective Hypertext Markup Language (HTML) template and route, and

wherein the method further comprises:

registering the AngularJS views with an AngularJS routing service.

6. The method of claim 5, further comprising:

generating a user interface based on the child module and the AngularJS views; and

displaying the user interface on a display device.

7. A client device, comprising:

at least one processor;

at least one memory; and

at lease one network interface device;

wherein the at least one processor, at least one memory, and at least one network interface device are configured to perform actions that include:

transmitting, to a server, a request message that includes a Uniform Resource Locator (URL), wherein:

a single page application (SPA) is hosted at the URL;

the SPA is part of an application that includes multiple SPAs;

the SPA includes a global module that is common to the multiple SPAs and a child module that is specific to the SPA; and

a portion of the URL is a child module identifier that uniquely identifies the SPA within the web application;

receiving, from the server, one or more response messages, wherein the one or more response message include a child module configuration object that includes configuration data for the child module;

loading the child module, wherein the loading the child module includes:

initializing the child module; and

configuring the child module based on the child module configuration object; and

generating a user interface based on the global module and the child module; and

displaying the user interface on a display device.

8. The client device of claim 7,

wherein the actions further include:

using the child module identifier to obtain a reference to the child module configuration object.

9. The client device of claim 7, wherein the actions further include:

generating a user interface based on the global module and the child module; and

displaying the user interface on a display device.

10. The client device of claim 7, wherein the global module and child module are Javascript modules.

11. The client device of claim 10, wherein the global module and child module are AngularJS modules.

12. The client device of claim 11,

wherein the child module configuration object indicates one or more AngularJS views associated with the child module,

wherein each of the AngularJS views is associated with a respective Hypertext Markup Language (HTML) template and route, and

wherein the actions further include:

registering the AngularJS views with an AngularJS routing service.

13. The client device of claim 10, wherein the child module configuration object is received in the one or more HTTP messages as a JavaScript Object Notation (JSON) object.