Assignment Response:

* Can you suggest some directions for this solution requirement?

As per my research there are mainly two ways of integrating an ArcGIS map server in a react native application.

Way-1 (using Web link opening library) : In the case of a map which only has some basic features we can use web link opening react native libraries e.g: WebView.

Way-2 (using ArcGis Runtime): ArcGis runtime is a sdk that enables us to view a ArcGis map. It requires an access token/api key to show the map.

* What are the libraries\classes to be used to render this solution?

Way-1 => WebView

Way-2 => ArcGisRuntime, NativeModules.

* To access the private map server what are the considerations to follow?
  + You should never commit sensitive information into a source control system such as Git or SVN.
  + Limit the services to which your key is allowed access.
  + Set up allowed referrers to restrict which clients are permitted to use specific API keys. While this can be circumvented, it adds a layer of difficulty for anyone wishing to abuse your keys.
  + Monitor usage of your API key to ensure it is used only by your applications. If you see unexpected spikes, rotate your API key for a new one.
  + Delete unneeded or older API keys to minimize fatigue, exposure, or dissemination.
  + Rotate and delete your API keys periodically and routinely, replacing existing API keys with new API keys.