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| Function | Summary | Param |
| M:KCDriver.Droid.AcceptPage.#ctor | Initializes variables and update timer for the Accept page. |  |
| M:KCDriver.Droid.AcceptPage.OnAppearing | Executes every time the page appears. |  |
| M:KCDriver.Droid.AcceptPage.Button\_Clicked(System.Object,System.EventArgs) | Function to start map and get ride location. |  |
| M:KCDriver.Droid.AcceptPage.Button\_Clicked(System.Object,System.EventArgs) |  | sender |
| M:KCDriver.Droid.AcceptPage.Button\_Clicked(System.Object,System.EventArgs) |  | e |
| M:KCDriver.Droid.AcceptPage.Timer(System.Object,System.Timers.ElapsedEventArgs) | Timer function which updates the driver if there are any rides in the queue. |  |
| M:KCDriver.Droid.DebugMapWriter.OutputGPX(System.Collections.Generic.List{Xamarin.Forms.Maps.Position}) | Outputs a GPX file for use in an emulator. The file holds a series of gps coordinates and can crudely simulate movement. |  |
| M:KCDriver.Droid.KCApi.UpdatePosition(System.Object,System.Timers.ElapsedEventArgs) | A timer calls this 10 times per second. Updates the db on where the driver is. |  |
| M:KCDriver.Droid.KCApi.UpdatePosition(System.Object,System.Timers.ElapsedEventArgs) |  | source |
| M:KCDriver.Droid.KCApi.UpdatePosition(System.Object,System.Timers.ElapsedEventArgs) |  | e |
| M:KCDriver.Droid.KCApi.UpdateCamera(System.Object,System.Timers.ElapsedEventArgs) | Function to keep camera locked on correct location on them map or  allow the user to scroll. | Source, e |
| M:KCDriver.Droid.KCApi.Start(KCDriver.Droid.Ride) | Starts navigation functions. Takes riders position and destination address string. |  |
| M:KCDriver.Droid.KCApi.Start(KCDriver.Droid.Ride) |  | ride |
| M:KCDriver.Droid.KCApi.Stop | Stops navigation, does cleanup, and outputs recorded exceptions in debug. |  |
| M:KCDriver.Droid.KCApi.GetCurrentPosition | Function to get the current position. Returns 0,0 on failure. |  |
| M:KCDriver.Droid.KCApi.GetCurrentPosition |  |  |
| M:KCDriver.Droid.KCApi.GetAddressFromPosition(Xamarin.Forms.Maps.Position) | Takes a geographical location and returns an address using  Google's Geocoding API. | pos |
| M:KCDriver.Droid.KCApi.GetAddressFromPosition(Xamarin.Forms.Maps.Position) |  | pos |
| M:KCDriver.Droid.KCApi.GetAddressFromPosition(Xamarin.Forms.Maps.Position) |  |  |
| M:KCDriver.Droid.KCApi.OutputException(System.Exception) | Write the exception to the log and saves it to output   again later. |  |
| M:KCDriver.Droid.KCApi.OutputException(System.Exception) |  | e |
| M:KCDriver.Droid.KCApi.Authenticate(System.String,System.String) | Attempts to authenticate the user. Returns true if the user   is authenticated with the server, false upon error or rejection. |  |
| M:KCDriver.Droid.KCApi.Authenticate(System.String,System.String) |  | password |
| M:KCDriver.Droid.KCApi.Authenticate(System.String,System.String) |  | userName |
| M:KCDriver.Droid.KCApi.Authenticate(System.String,System.String) |  |  |
| M:KCDriver.Droid.KCApi.GetHash(System.String,System.String) | Calculates the hash of the password with the salt. |  |
| M:KCDriver.Droid.KCApi.GetHash(System.String,System.String) |  | input |
| M:KCDriver.Droid.KCApi.GetHash(System.String,System.String) |  | userName |
| M:KCDriver.Droid.KCApi.GetHash(System.String,System.String) |  |  |
| M:KCDriver.Droid.KCApi.GetSalt(System.String) | Gets the salt for a user in order to hash their password. |  |
| M:KCDriver.Droid.KCApi.GetSalt(System.String) |  | userName |
| M:KCDriver.Droid.KCApi.GetSalt(System.String) |  |  |
| M:KCDriver.Droid.KCApi.CheckQueue | Checks if there are any rides in the queue. Returns a  string which represents the status of the server. |  |
| M:KCDriver.Droid.KCApi.AcceptNextRide(KCDriver.Droid.Ride) | Takes a Ride ref and binds a driver to the ride on the remote server. | ride |
| M:KCDriver.Droid.KCApi.SetRideLocation(KCDriver.Droid.Ride,System.Double,System.Double) | Sets the clients postion in the given Ride by querying  the remote server | Ride, latitude, longitude |
| M:KCDriver.Droid.KCApi.CompleteRide(KCDriver.Droid.Ride) | Decouples the driver from a ride and completes it by querying  the remote server. | ride |
| M:KCDriver.Droid.KCApi.SetDriverLocation(System.Double,System.Double) | Updates the remote server on the current location of the driver. | Latitude, longitude |
| M:KCDriver.Droid.KCApi.CancelRide(KCDriver.Droid.Ride) | Decouples the driver from the ride and puts the ride back in the queue. | ride |
| M:KCDriver.Droid.KCApi.RecoveryCheck(KCDriver.Droid.Ride) | If the driver already has a ride it sets the ride id to that ride  in case of failure or lost connection. | ride |
| M:KCDriver.Droid.KCPin.CreateRiderPin(Xamarin.Forms.Maps.Position) | Function to set up a basic pin for the rider. | pos |
| M:KCDriver.Droid.KCPin.CreateMarker | Takes the current pin object and creates a GoogleMap marker  from it. |  |
| M:KCDriver.Droid.KCMapRenderer.OnMapReady(Android.Gms.Maps.GoogleMap) | This function sets up basic variables on the GoogleMap as  soon as it is ready. | map |
| M:KCDriver.Droid.KCMapRenderer.AnimateCameraTo(System.Double,System.Double,System.Single) | Quick function to animate the camera to a location  on the map. | Lat, lon, zoom |
| M:KCDriver.Droid.KCMapRenderer.MoveCameraTo(System.Double,System.Double) | Moves the camera directly to the given coordinates. | Lat, lon |
| M:KCDriver.Droid.KCMapRenderer.UpdateMarker | Function to update the GoogleMap with the new   position of the rider marker. |  |
| M:KCDriver.Droid.KCProperties.OnPropertyChanged(System.ComponentModel.PropertyChangedEventArgs) | Implementation for the INotifyPropertyChanged interface. | e |
| M:KCDriver.Droid.KCProperties.SetPropertyField``1(System.String,``0@,``0) | Sets the field to the value and notifies all subscribed   instances. | propertyName, field, newValue |
| M:KCDriver.Droid.MainActivity.OnRequestPermissionsResult(System.Int32,System.String[],Android.Content.PM.Permission[]) | Permissions function required by Permissions Plugin. | requestCode, permissions, grantResults |
| M:KCDriver.Droid.MapPage.#ctor | Starts navigation and initializes the map page and starts the timer   to check if the there is an active ride. |  |
| M:KCDriver.Droid.MapPage.OnElementPropertyChanged(System.Object,System.ComponentModel.PropertyChangedEventArgs) | Subscriber function to detect interesting property changes. | Sender, e |
| M:KCDriver.Droid.MapPage.OnAppearing |  |  |
| M:KCDriver.Droid.MapPage.UpdateText | Updates the address text when the ride is updated. |  |
| M:KCDriver.Droid.SignInPage.#ctor | Asks for permission to access location and initializes the sign in page. |  |
| M:KCDriver.Droid.SignInPage.OnAppearing | makes sure that the app has permission to access the   location and resets KCApi everytime the sign in page appears. |  |
| M:KCDriver.Droid.SignInPage.SignInClicked(System.Object,System.EventArgs) | Attempts to sign the user in. If location permissions are   denied and denied again, the app is killed. | Sender, e |
| M:KCDriver.Droid.SignInPage.RequestPermission(Plugin.Permissions.Abstractions.Permission) | Function to request a particular permission enumerated by the Permissions Plugin. | permission |
| M:KCDriver.Droid.SignInPage.CallSelect(System.Object,System.EventArgs) | Opens the phone app to call the K.C. Cab company. | Sender, e |