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Software Licensing

PROJECT TITLE: Mobile App Source Code and Back-end API's or alacarte Mobile Modules		
#	Description	Amount
	<p>FLUTTER CROSS-PLATFORM iOS and Android App - SOURCE CODE Map Data Explorer platform is a mapping app that has features of handling the spatial data.</p> <p>Map Data Explorer is a advanced mapping app powered by vector tile basemaps (TMG OSM vector tiles, MapBox and others) with configurable stylesheets. Supports user loaded device GeoJSON, Raster tiles from MBTILES and GPKG and vector tiles from MBTILES.</p> <p>Supports user loaded Map Catalog (JSON) of internet mapping content (with catalog building screen)</p> <ul style="list-style-type: none"> • XYZ PNG/JPG Raster Tiles • PBF Vector Tiles • GeoJSON • Local map tiles in mbtiles and gpkg <p>Draw/digitize vector data and support editing and assigning attributes.</p> <p>Map Supports Tilting to display 3D terrain and 3D Buildings (only some basemaps support 3D buildings)</p> <p>Map Tools:</p> <ul style="list-style-type: none"> • Search - places, addresses • Advanced dynamic data collection forms with form builder • Draw/Digitize Data Creation and Editing and export as GeoJSON • Information Box for geojson data 	<p>\$30,000</p> <p>One Time Fee NO RIGHTS to RE-DISTRIBUTE</p> <p>Create Unlimited Mobile apps based on this framework and modify as required.</p> <p><i>If you want to unlock server-side modules see below pricing</i></p>

- Measure linear and Area
- Geolocation & Coordinate Widget (Lat Long and MGRS and zoom level) and share location
- Go to Lat Long
- Placemarks (spatial bookmarks) (with import and export of Waypoints GeoJSON, KML and GPX)
- Basic Route Planning with import of Waypoints (KML and GPX)
- Connection to other Navigation Apps
- GPS Recorder with background recording and export or track
- View Spot Elevation
- Display Military Symbology (App6/MilSpec2525C) GeoJSON Schema easily shared with other apps
- Radius Ruler/Range Rings
- Coordinate Converter (to/from projected coordinates or geographic and GRIDS - MGRS, GARS, WHAT3WORD)

Includes an in-app vector converter to convert GIS data (Shapefiles, GPKG, GPX, KML, CSV, WKT to GeoJSON) must be 4326

Includes in-app coordinate converter to convert to /from different coordinate systems and GRIDS (MGRS,GARS, etc)

Wifi Sharing - access device files from web browser
File Manager To manage files

Create Forms with in-app or web form designer with JSON Schema
Load a form design and swap between forms
Collect any form data

Other features:
Vector Conversion and Publishing API to convert local vector GIS Data and also publish to PostGIS database tables.

Elevate API - submit geojson point and return back with Elevation, MGRS, GARS, What3Words, PlaceKey, Pluscode properties

GeoRequest Area of Interest API for submitting jobs for offline data

Pre-staged data downloading of ready to download data

Area of interest downloading of online map data:
Tile Downloader that supports building mbtiles from tile layers (XYZ/TMS, WMTS and Dynamic and cached mapping services (ESRI MapServer, ImageServer, OGC WMS) and downloading

	<p>GeoJSON from WFS and MapServer and FeatureServer</p> <p>Collect data and edit data without back-end geospatial stack (no featureserver or database required)</p> <p>Improves workflow no need to create a "PROJECT" (QFIELD or MERGIN or GlobalMapper) and package data no need to setup a sync enabled featureserver.</p>	
1	<p>GeoRequest Area of Interest API SOURCE CODE, ASP.NET API with dotnet console apps and Dashboard and Front-end Submission.</p> <p>Currently supports two actions:</p> <p>1) CLIP-TILES (Clip MBTILES or GPKG Raster Tiles , Vector Tiles, Terrain/Elevation Tiles)</p> <p>2) CLIP-VECTOR (Clip GPKG Vector Features and PostGIS DB tables) Operations</p> <p>Users submit a GeoJSON Polygon with required properties</p> <p>ASP.NET REST API with hangfire background jobs Using dotnet Identify Framework for Authentication and Authorization Jobs are logged in MongoDB and Postgres database is used for tracking status of all jobs, sources Powered by custom dotnet core and dotnet framework console applications and python</p> <p>GeoRequest Area of Interest - Mobile Implementation</p> <p>Includes 25 hours of support and consultation and assistance in re-architecting a deployment strategy. https://portfolio.techmaven.net/dataservices/georequest-area-of-interest-api/</p>	<p>\$30,000 Purchase source code and self host</p> <p>Use TMG Hosted GeoRequest AOI API with Map Data Explorer Flutter \$15,000/year heavy use</p>
	<p>Add-on ESRI Tile Package formats (TPKX and VTPK) conversion to GPKG GeoPackage</p>	<p>\$4,000</p>
	<p>Server-Side Download-Tiles - 3rd Action for GeoRequest Server-Side Tile Downloading (WMTS, XYZ/TMS Raster Tiles) Server-Side Tile Downloading (Vector Tiles and Elevation Tiles) Server-Side Dynamic and Cached Mapping Services (MapServer, ImageServer, WMS)</p>	<p>\$15,000 Mobile Module</p>

	<p>Server-Side -Download Dynamic Mapping Services as vector GIS data - 4th Action for GeoRequest</p> <p>Server-Side Downloading of ESRI MapServer, FeatureServer and OGC WFS as any OGR Format (GeoJSON, GPKG, SHP, KML, etc)</p>	<p>\$5,000</p> <p>Mobile Module</p>
2	<p>Vector GIS Data Converter and Publish API - Server-side Code</p> <p>Use Cases:</p> <ol style="list-style-type: none"> 1) Convert data to a format viewable on the map - mbtiles vector tiles and geojson 2) Convert collected field data to any OGR format * including publishing to POSTGIS, MS SQL, MySQL and other Databases <p>(ASP.NET REST API powered by GDAL so any OGR source/output available)</p> <p>Vector Converter - Mobile Implementation</p>	<p>\$12,000</p> <p>Purchase source code and self host</p> <p>\$</p>
3	<p>ESRI GeoServices REST API - FeatureServer SYNC Data Mobile Implementation</p> <p>Downloads from a FeatureServer (AGOL or Portal) a OGC GPKG Vector Features and Sync's back GPKG. (not using the ESRI Mobile Geodatabase SQLite and Create Replica/Sync Replica)</p> <p>Attachment Syncing</p> <p>Mobile app is NOT directly communicating with ESRI API (requires hosting this API) other than for attachments.</p>	<p>\$15,000</p> <p>Source code for you to self host</p> <p>TMG Hosted API access \$5,000/year</p>
4	<p>Server-Side Module for ESRI GeoServices REST API - FeatureServer - Dynamic JSON Form builder and Editor</p> <p>Read fields and datatypes</p> <p>Read the Domains and attribute Rules</p> <p>Configure form design and create JSON file</p> <p><i>Does not work with stand-alone tables or related tables (relationship classes)</i></p>	<p>\$20,000</p>
5	<p>Pre-Staged Data (Ready to Download) Each Country, US States and Regions</p> <ul style="list-style-type: none"> • OSM_Vectortiles • Contourlines_vectortiles • Hillshade_RasterTiles 	<p>\$10,000/annual Subscription</p>

	<ul style="list-style-type: none"> • Elevation-Terrain_tiles (terrain-rgb mapbox spec or Mapzen Terrium) • Satellite_Imagery_RasterTiles (low res 13) • ShadedRelief_RasterTiles • Referencelines_RasterTiles • ReferenceLabels_RasterTiles <p>Mobile Code for Downloading this data https://portfolio.techmaven.net/dataservices/pre-cached-offline-ready-data/</p>	
6	In-app Mobile Tile Server Module - Support for MapTiles in SQLite (GPKG and MBTILES only 3857) Vector Tiles, Raster Tiles, Elevation/Terrain Tiles	\$8,000 Stand-alone code for sale
7	Vector Tile 2 Raster Tile mobile module that works with OSM_VectorTiles and stylesheets and Overlays	\$10,000 Stand-alone code for sale (<i>this is NOT part of Map Data Explorer</i>)
8	Dynamic and Cached Mapping Services Downloading Mobile Module (Downloads Raster MBTILES for WMTS, WMS, MapServer, ImageServer and Downloads GeoJSON for MapServer, FeatureServer and WFS)	\$8,000 Source code module
9	Elevation API + Mobile Code- upload point GeoJSON get Elevation and MGRS, GARS, PlusCode, PlaceKey, What3Words	\$3,000 Source code TMG Hosted API yearly access \$1,500
10	In-app Spatialite Module for handling Spatial Analysis, KNN Searching and Spatial Functions Module, Offline Routing with GPKG SQLite and (KML, Excel/CSV, SHP, GeoJSON either import or as VirtualTables)	\$3,500 Mobile Module to be developed source code for sale (<i>does not exist yet in Map Data Explorer</i>)

