

SGG 3643 (Computer Programming III)

Final Exam: Hand-on-Test #2: XML (10%)

Answer **ALL** questions. 90 minutes.

Tasks:

1. Please choose an appropriate compiler and begin writing in XML format from the data given below. Save it in .xml format (3 marks).
2. Next, please construct the appropriate table structure based on the provided XML data in a word document (3 marks).
3. Finally, develop the XML data in DBMS format (either in MS Access or DBF format) based on your proposed table structure (4 marks).

```

<?xml version="1.0" encoding="utf-8"?>
<mysql>
<database name="POI">
<table name="GPX">
<row>
<field name="id">14</field>
<field name="latitude">1.559766</field>
<field name="longitude">103.640099</field>
<field name="altitude">124.1231231</field>
<field name="name">Ah Foong Hardware</field>
<field name="description">Hardware store</field>
<field name="cmt">Hardware store</field>
<field name="sym">Utility</field>
</row>
<row>
<field name="id">15</field>
<field name="latitude">1.560447</field>
<field name="longitude">103.637253</field>
<field name="altitude">49.8737793</field>
<field name="name">@Mart</field>
<field name="description">Hypermarket</field>
<field name="cmt">Hypermarket</field>
<field name="sym">Grocery</field>
</row>
<row>
<field name="id">48</field>
<field name="latitude">1.558758</field>
<field name="longitude">103.634628</field>
<field name="altitude">44.90873</field>
<field name="name">Pocket Park</field>
<field name="description">Playground</field>
<field name="cmt">playground</field>
<field name="sym">Park</field>
</row>
<row>
<field name="id">49</field>
<field name="latitude">1.558297</field>
<field name="longitude">103.634956</field>
<field name="altitude">63.31107</field>
<field name="name">Restoran Mutiara Nara</field>
<field name="description">Open daily</field>
<field name="cmt">Thai food</field>
<field name="sym">Restaurant</field>
</row>
</table>
</database>
</mysql>

```