Problem

Overview Visualized

Geo information (Shapefile)

Extracting

Network Data

Composing

Location Data (Shapefile)

BusA Stop4
BusA Stop5
BusA Stop6
BusA Stop3
BusA Stop2
BusA Stop1
BusA Stop7

Data

```
{
 "type": "Feature",
 "geometry": {
  "type": "LineString",
  "coordinates": [
   [102.0, 0.0], [103.0, 1.0], [104.0, 0.0],
[105.0, 1.0]
  ]
 },
 "properties": {
  "prop0": "value0",
  "prop1": 0.0
 }
},
{
 "type": "Feature",
 "geometry": {
  "type": "LineString",
  "coordinates": [
   [102.0, 0.0], [103.0, 1.0], [104.0, 0.0],
[105.0, 1.0]
```

Task 1

Find shortest route run through following all bus stops.
Bus A Stop1,
Bus A Stop2,
Bus A Stop4,
Bus A Stop5,

Find shortest route run through following all bus stops.
Bus A Stop1,
Bus A Stop3,
Bus A Stop4,
Bus A Stop5,

Find shortest route run through following all bus stops.
Bus A Stop5,
Bus A Stop4,
Bus A Stop2,
Bus A Stop1,

Write your code to solve tasks

Code

```
int main(int argc, char* argv[])
{
  ShapeFileInfoVector vecShapeFiles;
  CShapeFileInfo shape;
  shape.readShapeFile('F:\\dhk\\Dhaka_scl');
  shape.m_strShapeName = "Dhaka Street";
  vecShapeFiles.push_back(shape);

  //Make graph
  int iShapeCount = vecShapeFiles.size();
  for(int iShpIndex = 0; iShpIndex < iShapeCount;
iShpIndex++ )
  {
    int iLineCount =
vecShapeFiles[iShpIndex].m_vecLineInfo.size();
    for(int iLineIndex = 0; iLineIndex < iLineCount;
iLineIndex++)
    {
      CShapePoint star
```

Display your output onto the Open Street Map