**Requirements Specification**

Requirement

Salespeople need a way of identifying prospects in the same area as another prospect and require a solution within SQL Server to achieve this. This solution must perform well and therefore appropriate spatial indexes will be required.

**Solution**

Create an appropriate spatial index on the ProspectLocation.location table.

Develop a stored procedure which accepts parameters for a prospect id and distance (in km). The stored procedure should return prospects in an ascending distance from the given prospect id.

**Stored Procedure Specifications**

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| --- | --- |
| Stored Procedure Name | Marketing.GetNearbyProspects |
| Input Parameters | @ProspectID int @DistanceInKms int |
| Output Parameters | None |
| Output Rowset Columns | Distance (in Kms), ProspectID, LastName, FirstName, WorkPhoneNumber, CellPhoneNumber, AddressLine1, AddressLine2, City |
| Output Order | Distance |