.NET 5.0, C# 9.0 HACKATHON

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# Overview

## Application Ideas

### ToDo-List Application

So Standard, So Boring. But, has all the facet points of a modern day Web or Enterprise Application. In order to mix it up a bit and introduce an element of flair – I will attempt to add in “Spatial-Ident” – that will be our unique feature-set. Spatial-Ident will be the ability to, take a set of point aggregates and from them produce “Places” where an individual spends time. Then, from the labels of those places, derive a set of terms that are likely to be identifying of those places. Then, the tasks entered are, identified as to where they are to be performed. Then, when the individual enters these locations, notifications will be generated for each unfinished task. This is also a cool feature for this stack because Postgres has, with PostGIS, some cool Geospatial functionality. the tasks will be

## Tech Stack

Application Back-End Stack

* Programming Language
  + C# 8.0
  + C# 9.0
* Core Stack
  + .NET Core 5
  + ASP.NET
* Object-Relational Mapping/Data-Access Layer 
  + Entity Framework
  + NHibernate
  + Dapper
* Data-Storage Engine
  + PostgreSQL 13

Application Web Front-End

* Razor

Application Mobile Front-End

# Deliverables

## Mobile Application

# Testing

## Performance and Stress Testing