**Car Share Assistant**

An aspx web application proposal

**Working Title:** CarShareAssist

**Project members:**

Mojgan Ahmadikoohbanani

Lucas Torres

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Miguel Legault

**Summary**

Car Share Assistant is a web application for tracking memberships, vehicles and parking spaces in the context of a car-sharing scenario such as the Communauto and the Car2Go services.

Car Share Assistant lets:

* Members find, reserve and use cars.
* Administrators review and approve memberships
* Fleet Managers add and edit vehicles and parking spots and see the status
* Vehicles report their location and status

**Technology**

Car Share Assistant is based on aspx .net technology with a MS-SQL backend.

It uses:

* Entity Framework
* Geography Classes (System.Spatial)
* MVC
* Role-based access permissions

**Project Structure**

All projects members wish to benefit from a full learning experience, as such each member will be fully responsible for implementing a specific role in the system. The Car Share Assistant project includes enough roles for each of our 4 project members. Implementing the different roles will be the main manner in which project work is divided.

Some members are distinctly more comfortable with either front-end or back-end tasks and as such some of the division of tasks will also occur along these lines.

The project will also include simulation tools to represent cars moving and to generate some activity in the system for testing and demonstration purposes.

**ERD**



**Information for Project Members**

Member details:

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Development services:

Trello: <https://trello.com/b/APgj8lVk/carshareassist>

Github: <https://github.com/mlatjac/carshareassist.git>

Hosting:

Control panel login: smarterasp.net

username: mlatjac-001   
password: Tb88qtWU

FTP Login   
Ftp address: ftp.smarterasp.net   
Ftp username: mlatjac-001   
Ftp password: Tb88qtWU  
  
Temporary Url for testing   
-http://mlatjac-001-site1.etempurl.com

DB:

Host: SQL7003.site4now.net

db\_a2fae7\_carshareassist

DB pass: pgbnm548uy