# NerdLunch Requirements Document

The NerdLunch system allows DEP Employees to organize and coordinate lunch meetings. It also allows for adding DEP employee, adding lunch place location, adding a date for the lunch, update DEP employee, update lunch place location, update lunch date, listing employee, listing the lunch place location, listing the lunch dates, adding reason for lunch, updating reason for lunch, listing reason for lunch, add map, add about page, vote for lunch place.

## Use Cases

* Add employee
* Update employee
* List employees
* Disable employees
* Add lunch place
* Update lunch place
* List lunch places
* Disable lunch places
* Add lunch
* Update lunch
* Delete lunch
* List lunches
* List lunches on map
* Vote for lunch place
* About page

## Relations

Users -> lunch place -> lunch -> vote for lunch

* List lunches on map

About page

## Sprints

|  |  |
| --- | --- |
| Sprint 1 | Create Data Models Using Code First  Add User  Update User  Disable User  List Users  About page  Consolidate NerdLunch.Data and NerdLunch.Infrastructure |
| Sprint 2 | Add Lunch Place  Update Lunch Place  Disable Lunch Place  List Lunch Places |
| Sprint 3 | Add Lunches  Update Lunches  Disable Lunches  List Lunches |
| Sprint 4 | List Lunches on Map |
| Sprint 5 | Vote for lunches |

## Implementation Information

### Git Configuration

1. Modify the file located at c:\users\theox\.gitconfig and make sure it is set like the .gitconfig in this source control repository.
   1. Especially important is that sslVerify = false under the http node in that .gitconfig file.
   2. <http://stackoverflow.com/questions/23885449/unable-to-resolve-unable-to-get-local-issuer-certificate-using-git-on-windows>

### Bower Configuration

1. For the DEP proxy environment the following is needed for bower to work.
   1. The .bowerrc file has to be set just like the one found in the ‘Documents’ folder of this Core project of this solution.
      1. This .bowerrc file must be placed in the root directory of the web project along with the bower.json file.
   2. The program CNTLM was used to create a local proxy with a hashed password.
      1. http://cntlm.sourceforge.net/
      2. A sample CNTLM file can be found in the ‘Documents’ folder of the core project.
      3. The ini file must have a users current hashed password for access to the proxy.
         1. This file must also be located in the cntlm root directory commonly found in the Program Files (x86)\cntlm location.

### Map Configuration

1. This following site was used to convert json to csharp classes.
   1. <http://json2csharp.com/>

### Project Guidelines

1. For general software guidelines the following guid from the United Kingdom government was used
   1. <https://www.gov.uk/service-manual/making-software>
2. For Querying guidelines for use with the AutoClutch WebAPI the following guide was used
   1. See ‘Dynamic Expressions.html’ found in the documents folder of this project.

### Validation

1. The following guide is used to validate models
   1. <https://msdn.microsoft.com/en-us/data/gg193959#IValidatableObject>

### Query Builder

1. The following code was used to create the query builder
   1. http://mfauveau.github.io/angular-query-builder/