# Contact manager

1. Domain & constraints



* A contact is either a customer or a supplier.
* A customer’s birthday is not required
* An email address must be a valid email address.
* A supplier’s telephone number must be at least 7 numeric characters, maximum 12.
* A name can be 50 characters for both first and last name.

1. Functional Requirements

* Retrieve and show a paged list of contacts (both customers and suppliers in one view)
* Create, edit and remove contacts from the list

1. Technical requirements

The contact manager solution should be implemented as a classic 3 tier app, containing:

* A website
* A web API REST service which allows data access.

The contact manager application should be built using:

* Asp.net MVC
* WebAPI / REST
* SQL database
* Any other tools you want to use are allowed.

1. Notes

The goal of this exercise is not having a complete solution in a limited time frame, rather it is to demonstrate clean coding and design skills. Any code turned in should be considered enterprise level, production ready code.

The complete solution should be enclosed in a zip archive and submitted. The submission should provide the reviewer with a good first experience. This can (but doesn’t have to) include a small descriptive Readme file and architecture diagrams. If an interview is arranged after the submission, you should be prepared to give a 10 minute demo and code walkthrough of your solution.