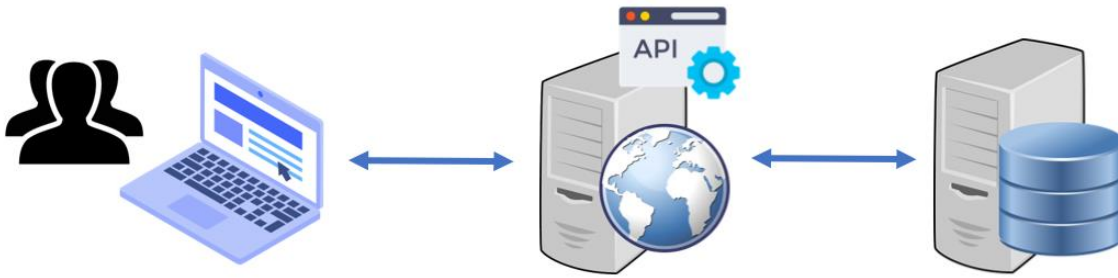# Technical Assessment – Phonebook Management System

Overview

The assessment is to create a phonebook management system for user to create/update/delete and upload their own phonebook entries into the system

Functional Requirements

- The system only open to registered users
- Registered users can login to create/update/delete their own phonebook entries
- Registered users can also upload their phonebook entries in Excel
- The above actions will be performed via web browser

Technical Requirements

- The required data
    - Name
    - Email
    - Mobile number
- Configure Nginx as reverse proxy to server the Node app (or any other similar but better approach)
- The database server must be MongoDB (or any other similar but better approach)
- Showcase git changes in git repo (via command line or GUI)
- Showcase the following frontend technologies whichever applicable
    - HTML5, CSS3
    - Bootstrap
    - JavaScript framework (Vue, React, Angular, etc)
- The API should be RESTful API
- Should only utilize JavaScript and it must be a Node app
- Showcase the understanding of OWASP top 10 web application security risks and apply the necessary to protect the system

Deliverables

- Fully functioning system
- Source code (should be stored in any git repo provider such as GitLab, GitHub or BitBucket and clone-able)
- API specification
- Database schema

System demo and source code walk through is required via Microsoft Teams session with the interviewer after the assignment has been completed