

# SOLICITEL

## Frontend Installation Guide

## Tabla de contenido

<b>1. INTRODUCTION .....</b>	<b>3</b>
1.1 Purpose.....	3
1.2 Scope.....	3
<b>2. INSTALLATION MANUAL.....</b>	<b>4</b>
2.1 Pre-requisites .....	4
2.2 Pre-Installations Tasks .....	5
2.3 Installation Procedure .....	5

# 1. INTRODUCTION

## 1.1 Purpose

This document provides an installation guide for the Solicitel application developed through React framework. To provide a comprehensive guide for the deployment in production of this web application.

It is important that users have a basic understanding of React and its core concepts, the JavaScript programming language, HTML, Tailwind, and a brief introduction to npm (Node Package Manager).

## 1.2 Scope

This document will provide a step-by-step guide to install and deploy the application. It will outline the necessary libraries and packages, with links provided to download the required tools. Additionally, supplementary tutorials will be included for the installation and configuration of these tools. Throughout the guide, pictures of the expected results, console outputs, and example configuration files will be provided to assist users.

## 2. INSTALLATION MANUAL

### 2.1 Pre-requisites

#### **Compatible operating systems:**

- macOS (any recent version)
- Windows 11
- Ubuntu 22.04

Any operating system compatible with Node.js should be able to run the application. However, not all tools might be supported by every OS. The complete list of compatible operating systems for Node.js and installation guides are provided here:

<https://nodejs.org/en/download/package-manager>

This guide will focus on macOS, Windows 11, and Ubuntu 22.04. Node.js is essential because many actions and functions of React rely on npm (Node Package Manager).

#### **Software Components:**

##### **Runtime Environment: Node.js 18.16.1**

##### **macOS & Windows:**

- Download Node.js from <https://nodejs.org/en/download/package-manager> and complete the installation procedure. This will install both Node.js and npm.
- Check the installation process by running in the terminal:

```
node -v  
npm -v
```

##### **Ubuntu:**

- Run in the terminal to install Node.js and npm:

```
sudo apt install nodejs  
sudo apt install npm
```

- Check the installation process by running:

```
node -v  
npm -v
```

## **Frameworks: Installing React**

React is a JavaScript library used to create user interfaces. With tools such as Create React App and React-based frameworks such as Next.js, you can generate projects, applications and code libraries, as well as perform activities such as building and deploying. To install React, open a command prompt in the path where you want to create your project and run the following command:

```
npm install react react-dom
```

## 2.2 Pre-Installations Tasks

### **Source Code**

Check all the versions of the previously downloaded apps, tools, and frameworks. The wrong version can cause unexpected issues. If all the versions are the correct ones (newest ones), please continue the installation.

Download the app source file from the Github Repository:

<https://github.com/itconsultore/espotel-compras>

### **Code Editing Tool**

Use a code Editing tool of your choice to open the PuppiesApp folder. For this program the recommended Editing tool is Visual Studio Code:

<https://code.visualstudio.com/download>

## 2.3 Installation Procedure

Open the folder of the project that you previously downloaded from Github using the Visual Studio Code tool.

### **Package installation:**

A series of libraries must be installed to run the applications. These libraries are register in the package json file which is supposed to content the next:

```

{
  "name": "espoltel-frontend",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "@testing-library/jest-dom": "^5.17.0",
    "@testing-library/react": "^13.4.0",
    "@testing-library/user-event": "^13.5.0",
    "axios": "^1.7.2",
    "jwt-decode": "^4.0.0",
    "react": "^18.3.1",
    "react-dom": "^18.3.1",
    "react-router-dom": "^6.23.1",
    "react-scripts": "5.0.1",
    "web-vitals": "^2.1.4"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject",
    "lint": "eslint 'src/**/*.js,jsx'",
    "lint:fix": "eslint 'src/**/*.js,jsx,ts,tsx' --fix"
  },
}

```

The process to install all this dependency is:

1. Run the installation command in the console at the path  
espoltel-compras/espoltel-frontend/

```
npm install.
```

2. Check that all packages have been install using npm list. The expected output should be:

```
[(base) damm@MacBook-Air-de-Diego espoltel-compras % cd espoltel-frontend
[(base) damm@MacBook-Air-de-Diego espoltel-frontend % npm i
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE   package: '@eslint/js@9.6.0',
npm WARN EBADENGINE   required: { node: '^18.18.0 || ^20.9.0 || >=21.1.0' },
npm WARN EBADENGINE   current: { node: 'v18.17.0', npm: '9.6.7' }
npm WARN EBADENGINE }

up to date, audited 1569 packages in 6s

263 packages are looking for funding
  run `npm fund` for details

9 vulnerabilities (2 moderate, 7 high)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
(base) damm@MacBook-Air-de-Diego espoltel-frontend %
```

Finally, to run the program use:

```
npm start
```

And now the program should be running at your browser in <http://localhost:3000>