Bosch Calendar Project Installation Guide

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Installation:

Visual Studio 2017 is required to run this project. In order to work this must be run on a computer running Windows OS. The visual studio installer will download many of the necessary components that are needed for the project. The community version is available for download for free, and that is what we used to create the project. A link to download is here: https://www.visualstudio.com/ simply hover over Visual Studio IDE and select community (or another desired version) from the dropdown window.

After downloading the visual studio installer will guide you through the installation process. When the window with the different workloads that can be installed pops up, select these three: **Universal Windows Platform Development** (from Windows), **ASP.NET and Web development, & Data storage and processing** (from Web & Cloud).

You should then be able to continue the installation wizard with no other issues. To access the project you should clone the github repo into your desired directory and then open the project through visual studio. The file structure in which the project is placed is under **Prototypes/CalendarPrototype/CalendarPrototype/CalendarPrototype.csproj.** This CalendarPrototype.csproj is what you will use to open the project in visual studio.

Coding Inside Visual Studio

The majority of the front-end code where the fullcalender plug-in is implemented and the other JavaScript functionality is located is in the **Index.cshtml** file. To access this file, use the solution explorer to the right, open the views folder, and then the Home folder, and Index.cshtml is there. The database management code is located in the **HomeController.cs** file under the Controllers folder. This is where the logic managing inserts and queries to the database is located (this code is in C#). The database itself is located in the App_Data folder with the name **EventDB.mdf**. The EventDBEntities.edmx file is the entity framework that is used for the database. In the Views/Shared folder the **Layout.cshtml** file is located, which contains styling for the webpage.

Running

To run the application simply press the start button at the top of the IDE and the calendar should open up in the users default browser.