Project Id Sheet with Deployment Guide SCHED

# Team Name:

SCHED

# Team Members:

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# About SCHED

*SCHED is a field service scheduling web application. Dispatchers can add, update, schedule, dispatch, and cancel work orders for technicians and resources. It provides flexible scheduling and recommendations based on client requirements such as cost and distance.*

# Quick Start

*In order to deploy the application, you will need Microsoft SQL Server, Visual Studio, and Microsoft IIS installed.*

1. *Generate the database in Microsoft SQL Server using the scripts provided.*
2. *Open the ASP.net solution (SCHED) in Visual Studio*
3. *In Solution Explorer, update the web.config file’s connection string to direct to your database. Publish the web application.*
4. *Open IIS Manager and add the published web application at a website*

# Deployment Instructions

## How to Create the Database

1. *Launch and connect to your locally hosted Microsoft SQL Server*
2. *In Object Explorer, expand the server you wish to host the database. Right click the Databases folder and select* ***New Databases…***
3. *Create a new database. For ease of deployment please name it SchedIteration2. If named different, ensure you update the USE statement in the GenerateData.sql file on line 1 to the new database name.*
4. *In Object Explorer, select the new database. This is to ensure the tables are added to the right database.*
5. *Go to* ***File, Open, File…*** *and navigate to the provided DatabaseTables.sql file. Execute the script.*
6. *Again, go to* ***File, Open, File…*** *and navigate to the provided DatabaseData.sql file. If you changed the database name, make sure to update the USE statement on line 1 to the new database name. Execute the script.*
7. *The database is now complete. Make sure to note the Microsoft SQL Server Name/Address, Username, Password, and Database Name before you continue.*

## How to Install and Configure the Web Site

1. *Open the Sched solution in Visual Studio.*
2. *In Server Explorer, open the web.config file.*
3. *In lines 14, update the connectionString with your Microsoft SQL Server information.*

*Data Source=Server Name/Address, Initial Catalog=Database Name, User ID=Microsoft SQL Server Username, Password=Microsoft SQL Server Password. Save web.config.*

1. *In Server Explorere, right click the Sched project file and select* ***Publish****.*
2. *Follow the wizard to publish the web application.*

* *Ensure you pick IIS, FTP, etc as your publish target.*
* *Set Publish method to File System and Target Location to your preferred deployment location (note this location).*
* *Configuration: Release*
* *Expand File Publish Options and make sure Delete all existing files prior to publish is checked*
* *Complete publishing to desired location*

1. *Open IIS Manager and in Connections expand the local computer.*
2. *Expand the Sites folder, then right click the website you wish to add your web application too and select* ***Add Virtual Directory****.*
3. *Fill in Alias and set the Physical Path to the directory of your published web application. This will create a new folder with the Alias you entered.*
4. *Right click the new folder and select* ***Convert to Web Application****. Click* ***OK.*** *The web application should now be accessible at* [*http://localhost/Alias/*](http://localhost/Alias/) *where Alias is the Alias entered earlier.*

*If you run into issues accessing the website, you may need to enable file sharing in IIS. Right click the Alias folder and select* ***Edit Permissions****. Click the* ***Sharing tab*** *and click* ***Share.*** *Add Everyone and click* ***Share*** *to add to the list. You may also need to create a login for “NT AUTHORITY]SYSTEM” in SQL Server.*

# Waiver

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