Mentor Activity System

Packaging and Deployment Instructions

*Prepared for*

**Houston ISD**

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*Prepared by*

**Luis Quintero**

**Senior SharePoint Developer**

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# Overview

The Mentor Activity System (MAS) allows mentors to create activities for their mentee and provides management with useful reports to measure the efficiency of the mentoring process.

# Deploying the Mentor Activity System.

MAS be deployed to the SharePoint 2013 farm. Once deployed to the farm, principals can create, edit or delete Mentor/Mentee Relationships, mentors can create, edit and delete activities for mentees, and administrators can run specific reports.

## Pre-Requisites

* A site collection must be already created.
* The App Catalog site collection must exist.
* Users must be added to the appropriate groups in Active Directory.
* Node.js must be already installed.

## Solution Specification

The MAS source code resides in TFS under the SharePointCollection. These are the solutions related to MAS:

**HISD.UI.MAS**: this solution contains all the client-side (REACT JS) source code for MAS.

**HISD.SP2013**.**MAS**: this solution contains all the necessary file that allows the appropriate packaging of the solution to deploy it in a SharePoint 2013 farm. It consists of three projects:

1. ArtifactsProvisioning (Windows Console Project): It provisions a Content Type, fields and a document library that MAS needs to run the Workflow.
2. HISD.SP2013.MAS (SharePoint 2013 Add-In Project): Allows the packaging and deployment of MAS in a development environment. It allows the deployment from Visual Studio 2017.
3. HISD.SP2013.MAS.QA (SharePoint 2013 Add-In Project): Allows the packaging and deployment of MAS in QA or PROD.

## Packaging the solution

The packaging of MAS consists of the following steps:

1. Open a command prompt (ex: cmder) window.
2. Go to the folder where the HISD.UI.MAS solution is located.
3. Run the following command: ***npm install***

Note: this command needs to be **run only once.** It will extract all the necessary third party libraries.

1. Open the webpack.config.prod.js file and make sure that the SITE\_COLLECTION variable has the correct value (SharePoint site collection where MAS will be installed). Comment out the other SITE\_COLLECTION variable. **Only one must be active**. Save the file.
2. Run the following command: ***npm run build***
3. Go to the folder and copy the path of that folder
4. Open the HISD.SP2013.QA project using Visual Studio 2017
5. Select the “app” folder.Right click on it and then click Add -> Existing Item
6. Paste the folder path (in step 6), and select the following files: bundle.js, bundle.js.map, styles.css, styles.css.map. **Do NOT add the “index.js” file.**
   1. Do step 9 for both DevSite and QASite deploy into SharePoint
7. Select the project name (HISD.SP2013.MAS.QA). Make sure you select the project name and not the solution name since they have the same name. Right click, the select “Publish”. Then click on the “Package the add-in” button. It will open a windows explorer screen in a folder where the app file is located. Copy the HISD.SP2013.MAS.QA.app file [and avail it to SPQAsite Admin for upload ].

## Deploying the solution

1. Copy the HISD.SP2013.MAS.QA.app file from the folder specified in the previous step.
2. Go to the App Catalog site collection.
3. Upload the HISD.SP2013.MAS.QA.app into the document library.
4. Click on “Yes” when the popup window asks about trusting the solution.
5. Run the ***ArtifactsProvisioning.exe*** application. Enter the site collection where MAS is installed.

Note: Make sure you don’t get any errors.

## Deployment Validation

Once deployed, complete the following steps to validate the deployment has succeeded:

1. Make sure you can see the “Relationship Requests” document library.
2. Make sure you can add the MAS add-in to the site collection by clicking on Site Settings -> add an app. If you find the MAS add-in, you have successfully deployed MAS.

That’s all – and you’re all set.!!