SharePoint Framework
Session 2

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Office Servers and Services MVP

- Deploy Hello World SPFx to SPO
- Overview of Ticket Service Application using SPFx,Flow and PowerApps
- Deploy Site Assets for the Application using SPFx

- Run Gulp Serve
- Test in Workbench
- Run Gulp Build
- Use of - - ship
- Upload the Package to App Catalog
- Activate the Solution from Site Contents

- Technologies Used

✓ Power Apps

✓ Microsoft Flow

✓ SharePoint Framework

✓ Azure Functions

✓ SharePoint Webhooks(optional)

- User Creates a Ticket/Issue
- On Creation, Supervisor gets notified of the issue
- Supervisor Assigns ticket to issue handler
- SLA is defined for the issue
- System Checks for breach of SLA
- On SLA Breach Supervisor gets notified of SLA breach
- Ticket Status Report

- **SPFx** : Site Assets like Site Content Type,Site Columns and Issue Creation List.
- **SPFx & React/KO** : Status Report
- **PowerApps** – Build Application UI
- **Microsoft Flow** – Handle Events that happens within List
- **Azure Functions** – Implement Timer Job
- **SharePoint Webhooks** – Implement Event Receiver

- **Ticket Site Column**

  - Issue Type(Choice)

  - Issue Severity(Choice)

  - Issue Description(Multiple Lines of Text)

  - SLA (Date)

  - Ticket Assignee(People Picker)

  -Occurrence Frequency(Number)

- **Ticket Content Type**
- **Ticket List**

Issues

Issue Description	Multiple lines of text
Issue Severity	Choice
Issue Type	Choice
Occurence Frequency	Number
SLA	Date and Time
Ticket Assignee	Person or Group

Issues

new item or edit this list

All Items ... Find an item

Title	Issue Type	Issue Severity	SLA	Issue Description	Occurence Frequency	Ticket Assignee

There are no items to show in this view of the "Issues" list.

- Make Directory

  md IssueSiteAssets
- Navigate to working directory

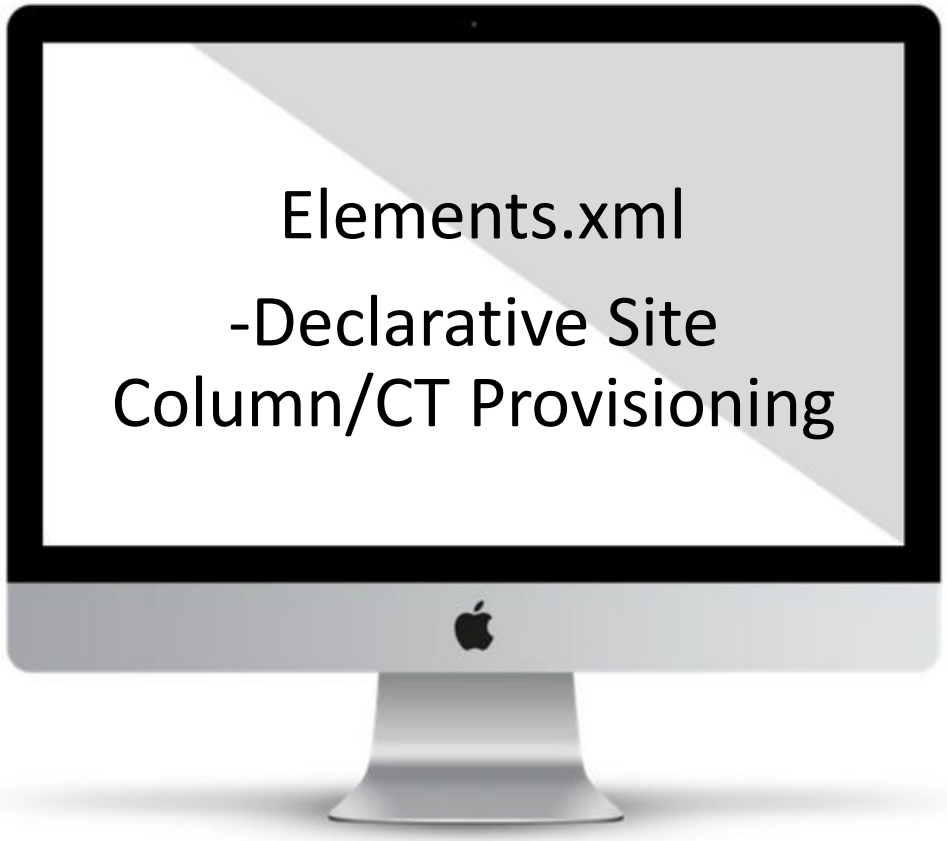
  cd IssueSiteAssets
- Create Project Structure

  yo @microsoft/sharepoint
- Specify the Project Specific values
- Install Developer Certificate

  gulp trust-dev-cert
- Go to Visual Studio Code – *Code .*
- Run GULP to package the solution and test

  gulp serve
- *Control + c* to break gulp execution

- Explore Solution Structure
- Create SharePoint / Assets Folder Structure to hold provisioning files
- Add Elements.xml
- Add Schema.xml
- Add Feature to Activate the Solution

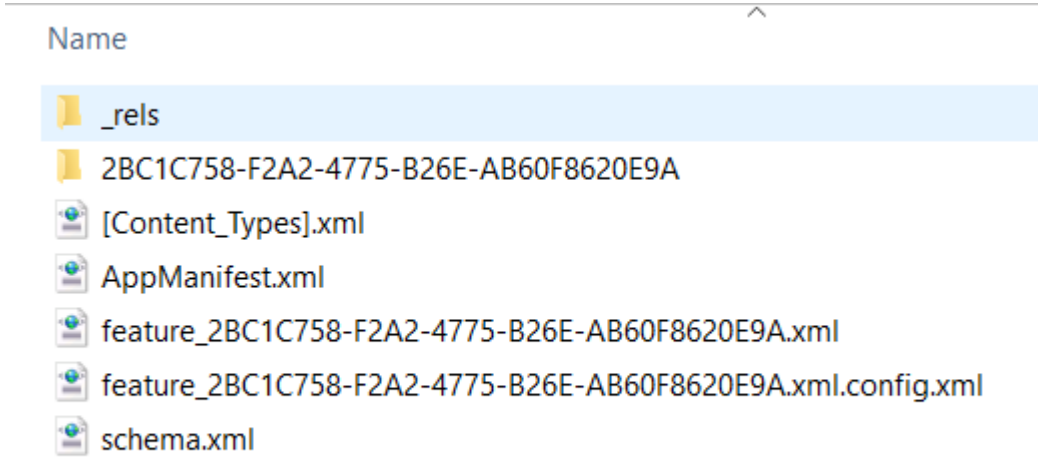


- Elements.xml hold the provisioning details
- **Field Tags** to define the site columns
- **Content Type Tags** to define the content type
- **List Instance Tag** to create list
- https://gist.github.com/PriyaranjanKS/bdd235746d1f930ef3fb3011d34431

- Schema.xml hold the List Schema details
- Make Change to the <ViewFields> to add create Site Columns
- Make Change to the <ContentTypes> section to include the Site Content Type
- <Forms> Can be updated to add custom forms
- https://gist.github.com/PriyaranjanKS/25834e33544dd10087570eaa4dabac19

```
"features": [{
  "title": "Issue Resolutions Site Assets Feature",
  "description": "Deploys Site Assets required for Issue Resolution Syste
  "id": "73d6058f-5661-49fa-b993-9d315c14a05a",
  "version": "1.0.0.0",
  "assets": {
     "elementManifests": [
        "elements.xml"
     ],
    "elementFiles":[
       "schema.xml"
     ]
  }
}]
```

- Gulp Bundle
- Gulp package-solution
- Check the Solutions folder for .sppkg solution fil and unzip it to see the contents



- **Upload .sppkg solution to App Catalog**
- **Add the App from Site Contents**
- **Test *the* Site Column,Site Content Type and List**
- **Possible Errors during App Catalog Upload and App Addition**
- **Removal of Deployed Assets**

Thank You !