**Salesforce Multi-Org IDE**

**Introduction**  
  
We are going to build a salesforce IDE. Yeah, you read correctly we will develop an IDE :)  
  
Salesforce Multi-Org IDE will be different domain like a workbench. This will be a public GitHub repository from where anyone will be able to perform all GitHub actions like commit, push, pull etc.  
  
**Functionality**  
We will help developers to compare the metadata list, metadata details comparator like any text compare tool. If there will be something different we will be able to make similar by drag text or metadata from one org to other.  
  
**There are three parts of Salesforce Multi-Org IDE**  
Metadata comparator  
Update any metadata(Class/Trigger Editor)  
Exchange metadata by simply drag and drop  
  
**Metadata comparator**  
There will be 2 types of comparison  
List of metadata comparison(Classes, Trigger, Pages, Objects, Workflow etc.)  
Text comparator (Classes, Trigger, Pages or any text-based metadata)  
  
**List of metadata comparison(Classes, Trigger, Pages, Objects, Workflow)**  
 By list of metadata comparator, we will be able to easily identify how many classes/trigger/other metadata are there. If we will find any discrepancies we will be able to select multiple metadata and we can easily drag and drop to another sandbox.  
  
**Text comparator (Classes, Trigger, Pages or any text-based metadata)**  
 After selecting any metadata like classes/triggers/pages, the same page will get opened on both salesforce org. It will show difference just like beyond compare.  
  
 Metadata details page will get opened on editable mode and just like beyond compare or any other text compare push the difference to another side. We will be able to do that.  
  
In short, you will be able to deploy your code by just drag and drop functionality.  
  
**Technology Used**  
Salesforce  
NodeJS  
Angular 6  
Bootstrap  
Heroku  
  
**Salesforce**  
 Salesforce will be one of the main functionality. We will use some functionalities of salesforce like Tooling API, OAuth.   
 Reference: www.salesforce.com   
  
**NodeJS**  
 Node JS will be the backbone for this application. This will get used as a backend/server-side language, which we will deploy on Heroku.  
 Reference: https://nodejs.org   
  
**Angular 6**  
 AngularJS 6 will be our front-end technology for easy manipulation of data.  
 Reference: https://angular.io  
  
**Bootstrap**  
 Bootstrap will help us to build the cool and responsive application.  
 Reference: http://getbootstrap.com    
  
**Heroku**  
 We will deploy our code on Heroku.  
 Reference: https://heroku.com   
  
If anyone has more ideas which we can add to this app, please suggest by commenting on the post.  
  
I will share the screen for all the pages very soon, after that we will be able to distribute it into assignments.  
Everyone will be able to see the code of others, If anyone finds bugs or anything related to bad code standard, please raise an issue or start fixing it.

Source: <http://salesforcesimplify.blogspot.com/2018/10/salesforce-multi-org-ide-open-source.html>