

SF Dev Challenge (Async APEX - Future , Batch , Scheduleable, Unit Test)

What you need

1. Trailhead playground

Prerequisites

- Create a **permission set** with API name Marketing_User_Permissions

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Challenge

UC #1: Whenever a **new user** is created with profile **Custom: Marketing Profile**, assign the permission set **Marketing_User_Permissions** to User.

Note: Consider this not urgent and permission set can be assigned when the resource is available in salesforce org

Note:

- a. Create an **APEX Class** named '**UserHandler**' and use **@future annotation** for the method which contains the logic.
- b. Use Trigger to call future method

UC #2: Create a test class named '**UserTriggerHandlerTest**' and **write unit test code to test future method in UserHandler Class** and Trigger on User' object

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Challenge

UC #3: Create a **batch class** named **'UpdateContactDescription'** to update Contacts:

1. Description of Contact should be updated with
"Contact Title Account Name & Account's Description" in the below format

E.g: Say, Account Name is 'Future Image' | Account Description is 'Technology Services' | Contact Title is 'CIO'

Then the contact description field should be updated with

CIO of Future Image : Technology Services

2. Contact which does not have any Account associated with it, should not be updated

UC #4: Create a schedulable APEX named **'UpdateContactsScheduler'**

- make a call to **batch class** named **'UpdateContactDescription'** inside Scheduable APEX
- Ensure schedulable APEX runs on every sunday @9 P.M

SF Dev Challenge

Upload your final results here:- Will be closed by Feb 12, 2022 6 P.M IST

<https://forms.office.com/r/vXfTuXeYr3>

Points to remember:

1. Ensure you are uploading clear screen shots
2. Each screenshot from org should have org url clearly visible else your output will not be considered for evaluation and will be marked as incomplete in the final report
3. **If one of the team members did not complete the code the entire team will be marked as 'Incomplete'**