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# Introduction

The below document enlists the effort estimate and work breakdown structure for the ACH Works Integration in Salesforce for the use cases shared by Abraham as mentioned below.

1. Credit – Sending Funding to Merchants, Paying commissions to sales reps, ISOS
2. Debit – getting payments from Merchants, either payback or payment of fees
3. Ability to Schedule payments
   * Weekly – One payment on a single day of the week. Monday, Tuesday, Wednesday, Thursday, Friday
   * Daily – Payments on week days
4. System should be able to handle bounces and errors
5. Should roll up total bounces or issues.
6. Ability to refund payment or make adjustments to Refund payments - Adjustments

# Work Breakdown Structure and Effort Estimate

|  |  |  |  |
| --- | --- | --- | --- |
| **Engagement Effort Summary** | | | |
| **No.** | **Project Phase** | **%** | **Efforts (Hrs.)** |
| 1 | Project Management | 4% | 6 |
| 2 | RA & Solution Design | 8% | 13 |
| 3 | Development & Unit testing | 70% | 111 |
| 4 | Integration and System Testing | 15% | 24 |
| 5 | Deployment & Documentation | 3% | 5 |
| 6 | UAT Support, Go-Live | 0% | 0 |
| 7 | Live rollout support [warranty period 2 weeks] | 0% | 0 |
| **Total Project Efforts** | | 100% | **159** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activity** | **Total Effort** | **Weekly/Monthly Schedule** | | |
| **W1** | **W2** | **W3** |
| Project Management | 6 | 2 | 2 | 2 |
| RA & Solution Design | 13 | 13 |  |  |
| Development | 111 | 27 | 78 | 6 |
| Integration and System testing | 24 |  |  | 24 |
| Deployment & Documentation | 5 |  |  | 5 |
| UAT Support, Go-Live | 0 |  |  |  |
| Live rollout support | 0 |  |  |  |
| **Total Effort (Hrs.)** | **159** | 42.0 | 80.0 | 37.0 |
| **Resources** | | 3 | 3 | 3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item No.** | **Item Description** | **Solution Overview** | **Development Efforts (Hrs.)** | **Assumptions** |
| 1 | Data Model Changes | Creating additional objects / fields required to hold the necessary information | 4 |  |
| 2 | ACH WSDL Consumption | Consuming the SOAP WSDL to generate Apex classes by modifying the SOAP endpoint and port binding in WSDL | 1 |  |
| 3 | Performing Credits to Merchants, Paying Commissions, Sales Reps and ISOs | User interface with the ability to provide onetime payment details and Apex controller code to perform the callouts to the ACH works service | 18 | Assumes that a single payment would be done manually by User using the custom developed user interface |
| 4 | Performing Debits to getting payments from Merchants, either payback or payment of fees | User interface with the ability to provide onetime payment details and Apex controller code to perform the callouts to the ACH works service | 16 | Assumes that a single payment would be done manually by User using the custom developed user interface |
| 5 | Ability to Schedule Payments | Visualforce Page to schedule a payment and Batch Job to execute onetime payment as scheduled - Daily / Weekly | 30 |  |
| 6 | Performing Refunds | User interface to select the transaction to reverse and perform a callout to perform credit | 14 | Assumes it is the same as performing a credit. The ACH Works does not have a direct ability to refund or reverse the payments |
| 7 | Ability to configure a bounce fee | User interface to display the bounced transaction Preparing a bounce fee master to configure the bounce fees and for corresponding errors. | 14 | List of errors codes and messages to be configured would be provided to the development team. |
| 8 | Test Code Development | Apex test code for the developed business logic | 14 |  |
|  |  |  | **111** |  |