Oracle Fusion Financials

Expense Reports Redwood pages basic (and WIP…)

Developed with OIC-Visual Builder

Introduction/Goal

In Oracle Customer Connect there are many requirements for customizations in the area of (Financial modules) Expense Reports for employees in ADF-Classic pages.

Oracle has done a superb job building the Redwood framework, which help us to achieve quick results to comply requirements of the users.
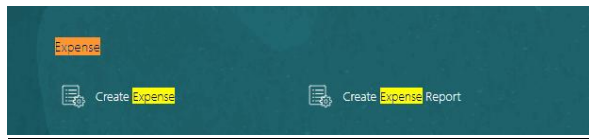
The proposal here is to show if it is feasible to build our custom Redwood pages from scratch using Visual Builder and the REST API provided by SaaS and replicate partially the standard functionality.

This approach could be used in other areas of Saas.

We have developed these pages for learning purposes.

1) We based our investigation on these ADF-classic pages.

Menu access from SaaS.

Travel and Expenses

Expense Reports

+ Create Report	Not Submitted ⋯ 000313119094 **demo** Updated 1 day ago 1 item 1.00 USD	Not Submitted ⋯ 0158408870 **Conference** Updated 2,593 days ago 3 items 910.00 USD

Available Expense Items

Actions ⌄   **+ Create Item**

Expense Report: 0158408870 ⓘ   Save ▼ Submit

Purpose Conference   ◢ Report Total
Attachments None +   Payment Method Electronic ▾
Status Withdrawn View report history   Employer Pays You 910.00 USD
                                                        910.00 USD
                                                        ☐ I have read and accept the corporate travel and expense policies.

Expense Items (3)

Actions ⌄   **+ Create Item**   Add Existing

☐	Date ▾	Type ▾		Amount ▾	Merchant ▾	Location ▾	Description ▾	Attachments
☐	10/1/17	Conference	⌄	350.00 USD			OOW Conference	Add attachment Original receipt required
☐	10/1/17	Car Rental	⌄	200.00 USD	Hertz		Add description	Add attachment Original receipt required
☐	10/1/17	Hotel	⌄	360.00 USD	Marriott Hotel		Add description	Add attachment Original receipt required

1) To get here.

Expense reports Version 1.0
Redwood CookBook 2026   Actions ▾   + Create
                                                              Updated just now

Search   **Expense Report Detail**   ✎ Edit
                          Redwood CookBook 2026   ▷ Submit
0158408870 US1 Business Unit WITHDRAWN   Report Number   Report Total   Currency   ▷ Apply a cash advance
            910 USD   0158408870   910   USD   ▷ Remove a cash advance
000313119094 US1 Business Unit SAVED   Name   Date   Submit Report
              1 USD   Lane, Kerry   1/3/18
                                           Withdrawn   Purpose
                                                             Conference   Redwood CookBook 2026

                                                                               Redwood CookBook 2026

Expenses

+ Create   ✎ Edit   ▷ Initiate notif. request   ▲ Distributions   ▷ Errors   👥 Attendees   📎 Attachments   ⧉ Duplicate

Ref	Expense Type	Rec Amount ⌃	Curr ⌃	Reim Amount ⌃	Curr ⌃	ReceiptDate ⌃	Source	Status ⌃	Business Unit	Description	Justification	Name
6	Conference	350	USD	350	USD	2017-10-01	CASH	WITHDRAWN	US1 Business Unit	OOW Conference		Lane, Kerry
7	Car Rental	200	USD	200	USD	2017-10-01	CASH	WITHDRAWN	US1 Business Unit			Lane, Kerry
8	Hotel	360	USD	360	USD	2017-10-01	CASH	WITHDRAWN	US1 Business Unit			Lane, Kerry

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After reviewing our code and this documentation, perhaps you would be in a position to answer the question.

Of course, we have ==a long way to go to get full functionality== of the current ADF-classic standard, but we will explore how far we can go.

For now, we are able to:

- Query:
    - Expense reports and their child

- o Expenses and their child
  - ▪ Attendees
- Create expense reports for basic data
- Create expenses for basic data only for one of the Templates (Travel)
- Update expenses for basic data

NOTE: in expenses create page, we have developed some list of values but not all, for testing you would have to type some values, for example the currencies.

What is the value added to building these Redwood pages?

You would have full control over the developed pages to get the following:

- Improved look and feel with Redwood templates
- Actions in bulk, selecting multiple records and applying REST API actions
- Custom additional validations
- Messages, warnings to the user
- Defaulting with custom logic
- Navigation and shortcuts
- Additional custom filtering, including Descriptive Flexfields
- Easy call to OIC integrations in the context of any record
- and whatever your users require.

Preparatory steps

Connection 1: to manage all report expenses data.

Connection 2: to manage these lists of values.

Welcome	🗋 main-start ✕	🗋 main-create-report	🗋 main-create-expense	⟲ sn_expense_lovs_1 ✕	▤ fa	🗐 main	🗋 main-attendees	⟲ sn_expenseReports

Overview   Servers   **Endpoints**   Headers   Source

🔍 Filter Endpoints   [+ Endpoint ▾]   [⟳]

⌄ **expenseTemplates**

/expenseTemplates

`GET`	Get Many	Get all	getall_expenseTemplates

/expenseTemplates/{expenseTemplates_Id}

`GET`	Get One	Get	get_expenseTemplates

    › **expenseTypes**

    › **mobileExpenseTypes**

    › **itemizedExpenseTypes**

    › **preferredAgencyLists**

    › **preferredMerchantLists**

› **expenseTypes**

› **Other Endpoints**

Visual Builder Steps

As the process of building what you see in our code has included many sub-steps it is not possible to detail each, it would require many pages.

We will highlight some of the important points only.

1) Our recommendation is analyzing and test every REST API in Postman before using it in VB.

2) The Template selected (Collection Detail Page Template) is easy to work with, the navigation from parent to child.

   We used these blogs to write the chapter in our book dedicated to the template:

https://blogs.oracle.com/vbcs/post/using-the-collection-details-redwood-pattern-in-visual-builder

https://redwood.oracle.com/?slideIndex=0&pageId=CORED264D6D1DF66417F801890C3DCCF1499&shell=pattern-book&pattern-book=pattern-book-detail

3) The rest of the tasks are just Visual Builder work.

Conclusion

We have our answer to the question "Is it possible to replicate functionality for Expenses, in a custom Dashboard?'

Up to you decide your answer.

Pages created as of version 1.0.11

- Parent page.

- Basic create Expense Report page.

Parent page

Create Report
Redwood CookBook 2026

Cancel   Submit

Report Total

Reimbursement Currency

Purpose

SubmitReport

- Basic Expense Report page.

Parent page

Update Report
300000158408870

Cancel   Submit

Purpose	Report Number	Business Unit
Conference	0158408870	US1 Business Unit

Original Receipt Status	Date	Report Total
REQUIRED	1/3/18	910

Reimbursement Currency	ReportCreationMethodCode	
USD	WEB	

Basic Expense page.

Access from here:

Expense Reports Version 1.0
Redwood CookBook 2026

Search

0158408870   US1 Business Unit   WITHDRAWN
910 USD

000313119094   US1 Business Unit   SAVED
21 USD

Expense Report Detail
Redwood CookBook 2026

Report Number   Report Total
0158408870   910

Name   Date
Lane, Kerry   1/3/18

Withdrawn   Purpose
                       Conference

Expenses

+ Create Expense   ✎ Edit Expense   ▷ Initiate notif. request   ▲ Distributions

Ref   Expense Type   Rec   Curr ⌄   Reim   Curr ⌄
                       Amount ⌄   Amount ⌄

- Update expense.

Access from here.

Attendees.

Access from here.

Technical

Code example	Comments
XX_DEMO_EXPENSE_REPORTS-1.0.11.zip Current at this writing is 1.0.11. Query GitHub, in case improvements are applied the naming will be 1.0.12, etc.	Used in demo. Import in OIC-VB and play. Use it as reference and make refinements at will.