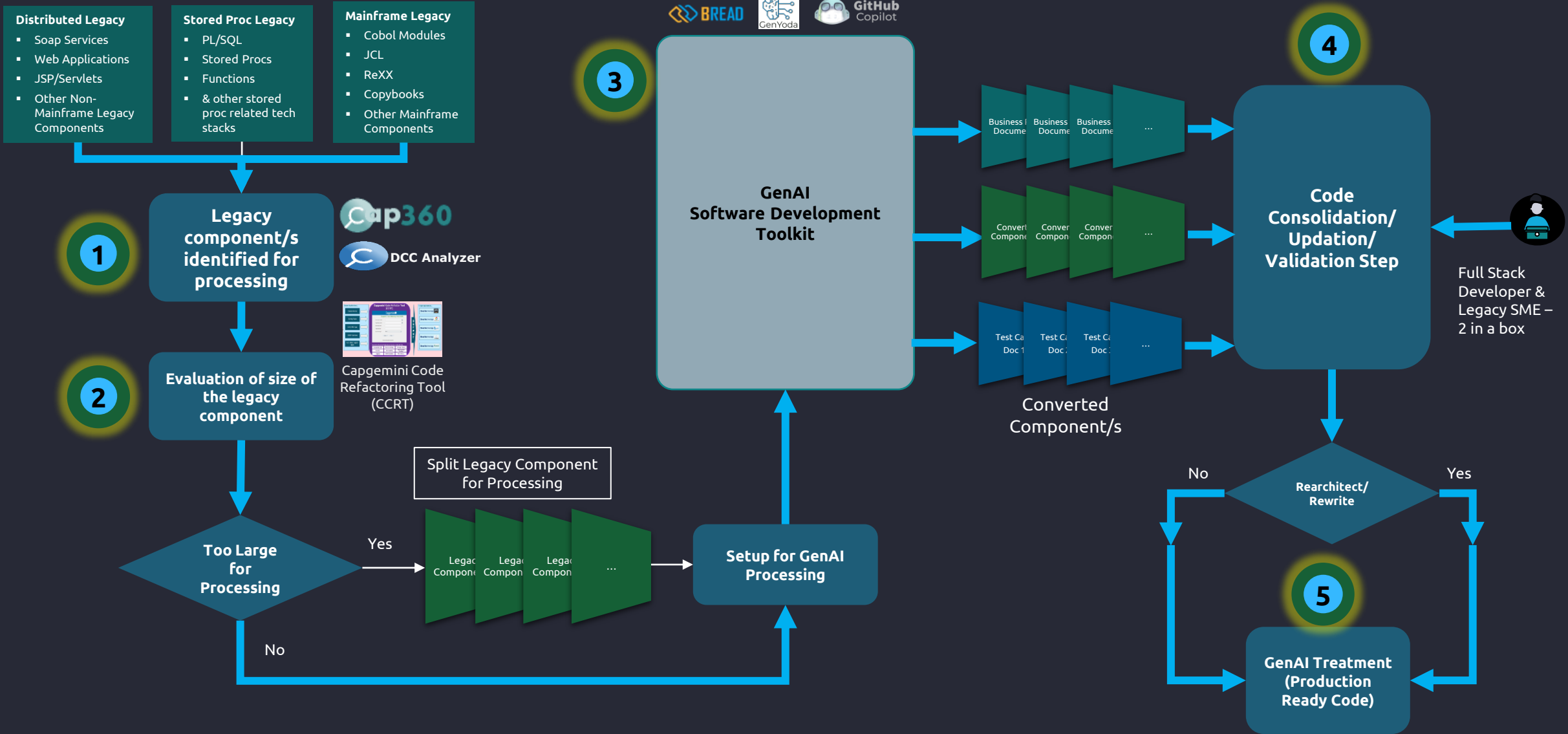




MAINFRAME CODE CONVERSION JOURNEY

Legacy distributed, stored proc and mainframe legacy modernization



MAINFRAME SCREENS - CREDIT CARD APPLICATION



Home Page

Admin – Landing Page

List Users

```
Vista TN1270 Session D
Tran : CC00      AWS Mainframe Modernization      Date : 01/29/23
Prog : COSGN00C CardDemo                          Time : 14:48:03
AppID: A06CICS  SysID: CICS

This is a Credit Card Demo Application for Mainframe Modernization

+-----+
|          NATIONAL RESERVE NOTE          |
|  (1) THE UNITED STATES OF KICSLAND (1)  |
| $$$ (x) (o o) ***** $$$           |
| $ ***** (v) ONE $                  |
|  (1) -----m----- (1)            |
|          ONE DOLLAR                    |
+-----+

Type your User ID and Password, then press ENTER:

User ID   : ADMIN001 (8 Char)
Password  : (8 Char) _

ENTER=Sign-on F3=Exit
```

```
Vista TN1270 Session D
Tran : CA00      AWS Mainframe Modernization      Date: 01/29/23
Prog : COADM01C CardDemo                          Time: 14:47:56

Admin Menu

01. User List (Security)
02. User Add (Security)
03. User Update (Security)
04. User Delete (Security)

Please select an option : _

ENTER=Continue F3=Exit
```

```
Vista TN1270 Session D
Tran : CU00      AWS Mainframe Modernization      Date: 01/29/23
Prog : COUSR00C CardDemo                          Time: 14:48:14

List Users
Page: 00000001

Search User ID: _____

Sel  User ID      First Name      Last Name      Type
---  -
-   ADMIN001     MARGARET      GOLD           A
-   ADMIN002     RUSSELL       RUSSELL       A
-   ADMIN003     RAYMOND       WHITMORE     A
-   ADMIN004     EMMANUEL     CASGRAIN     A
-   ADMIN005     GRANVILLE   LACHAPELLE   A
-   USER0001     LAWRENCE     THOMAS       U
-   USER0002     AJITH        KUMAR        U
-   USER0003     LAURITZ     ALME         U
-   USER0004     AVERARDO    MAZZI        U
-   USER0005     LEE         TING         U

Type 'U' to Update or 'D' to Delete a User from the list

You have reached the bottom of the page...
ENTER=Continue F3=Back F7=Backward F8=Forward
```

Update Users

Delete Users

```
Vista TN1270 Session D
Tran : CU02      AWS Mainframe Modernization      Date: 01/29/23
Prog : COUSR02C CardDemo                          Time: 14:50:01

Update User

Enter User ID: USER0006
*****

First Name: CARD      Last Name: DEMOU
Password: (8 Char)
User Type: U (A=Admin, U=User)

User USER0006 has been updated...
ENTER=Fetch F3=Save&Exit F4=Clear F5=Save F12=Cancel
```

```
Vista TN1270 Session D
Tran : CU03      AWS Mainframe Modernization      Date: 01/29/23
Prog : COUSR03C CardDemo                          Time: 14:50:30

Delete User

Enter User ID: USER0006
*****

First Name: CARD
Last Name: DEMOU
User Type: U (A=Admin, U=User)

Press PF5 key to delete this user...
ENTER=Fetch F3=Back F4=Clear F5=Delete
```

GENAI GENERATED UI



```
Tran: CU00      AWS Mainframe Modernization      Date: 01/29/23
Prog: COUSR00C      CardDemo      Time: 14:48:14

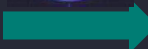
                          List Users      Page: 00000001

Search User ID: _____

Sel  User ID      First Name      Last Name      Type
-----
-   ADMIN001     MARGARET      GOLD           A
-   ADMIN002     RUSSELL       RUSSELL        A
-   ADMIN003     RAYMOND      WHITMORE       A
-   ADMIN004     EMMANUEL     CASGRAIN       A
-   ADMIN005     GRANVILLE   LACHAPELLE    A
-   USER0001     LAWRENCE     THOMAS        U
-   USER0002     AJITH        KUMAR         U
-   USER0003     LAURITZ     ALME          U
-   USER0004     AVERARDO    MAZZI         U
-   USER0005     LEE         TING          U

Type 'U' to Update or 'D' to Delete a User from the list

You have reached the bottom of the page...
ENTER=Continue F3=Back F7=Backward F8=Forward
```



Cards Demo Application

← Back to Admin Menu

List Users

Find By UserId

UserId	FirstName	LastName	UserType	DeleteUser
user_1	John	Doe	admin	<button>Delete</button>
user_2	Jane	Berlin	user	<button>Delete</button>
user_3	Jim	Roy	user	<button>Delete</button>
user_4	John	Doe	admin	<button>Delete</button>
user_5	Jane	Berlin	user	<button>Delete</button>

[Previous Page](#) [Next Page](#)

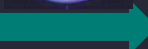
```
Tran: CU02      AWS Mainframe Modernization      Date: 01/29/23
Prog: COUSR02C      CardDemo      Time: 14:50:01

                          Update User

Enter User ID: USER0006
*****

First Name: CARO      Last Name: DEMOU
Password:      (8 Char)
User Type: U (A=Admin, U=User)

User USER0006 has been updated...
ENTER=Fetch F3=Save&Exit F4=Clear F5=Save F12=Cancel
```



Cards Demo Application

← Back to Admin Menu

Update User

First Name:

Last Name:

Password:

User Type:

[Update User](#)

Please modify to update...

GENAI GENERATED – API SPECS, CODE, UNIT TEST CASES



Generate Open API Specifications



Generate Code

Generate Functional and Unit Test Cases

Account API 1.0 OAS 3.0

REST API for account operations based on OpenAPI 3.0.3 specification

Servers
/account

Account

- GET** /{id} Get an account by ID
- PUT** /{id} Update an account by ID

Schemas

```
AccountData {
  id > [...]
  name > [...]
  email > [...]
  balance > [...]
}
```

```
/**
 * This class is a Rest Controller for handling account related operations.
 * It provides endpoints for getting and updating account details.
 */
@RestController
@RequestMapping("/account")
Tag(name = "Account", description = "Account API")
public class AccountController {

    @Autowired
    private AccountService accountService;

    /**
     * This method is used to update the account details for a given id.
     *
     * @param id This is the id of the account to be updated.
     * @param accountData This is the new account data to be updated.
     * @return AccountData This returns the updated account data for the given id.
     */
    @PutMapping("/{id}")
    @Operation(summary = "Update an account by ID")
    public AccountData updateAccount(@PathVariable long id, @RequestBody AccountData accountData) {
        return accountService.updateAccount(id, accountData);
    }

    /**
     * This method is used to get the account details for a given id.
     *
     * @param id This is the id of the account to be fetched.
     * @return AccountData This returns the account data for the given id.
     */
    @GetMapping("/{id}")
    @Operation(summary = "Get an account by ID")
    public AccountData getAccount(@PathVariable long id) {
        return accountService.getAccount(id);
    }
}
```

cards-demo-app

Element	Missed Instructions	Cov.
com.aws.cardsdemoapp.user.model	<div style="width: 83%;"></div>	83%
com.aws.cardsdemoapp.user.entity	<div style="width: 84%;"></div>	84%
com.aws.cardsdemoapp.account.entity	<div style="width: 86%;"></div>	86%
com.aws.cardsdemoapp.creditcard.entity	<div style="width: 86%;"></div>	86%
com.aws.cardsdemoapp	<div style="width: 75%;"></div>	75%
com.aws.cardsdemoapp.user.service	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.creditcard.service	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.account.service	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.user.controller	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.config	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.user.utils	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.creditcard.controller	<div style="width: 100%;"></div>	100%
com.aws.cardsdemoapp.account.controller	<div style="width: 100%;"></div>	100%
Total	362 of 2,992	87%



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