E-Fixed Deposits

1. Documentation

Identifying Stakeholders – Create a list of stakeholders

Business Unit Head
Program Management Head
Senior Project Manager and Project Manager

Development Team
Development Manager
Development Lead

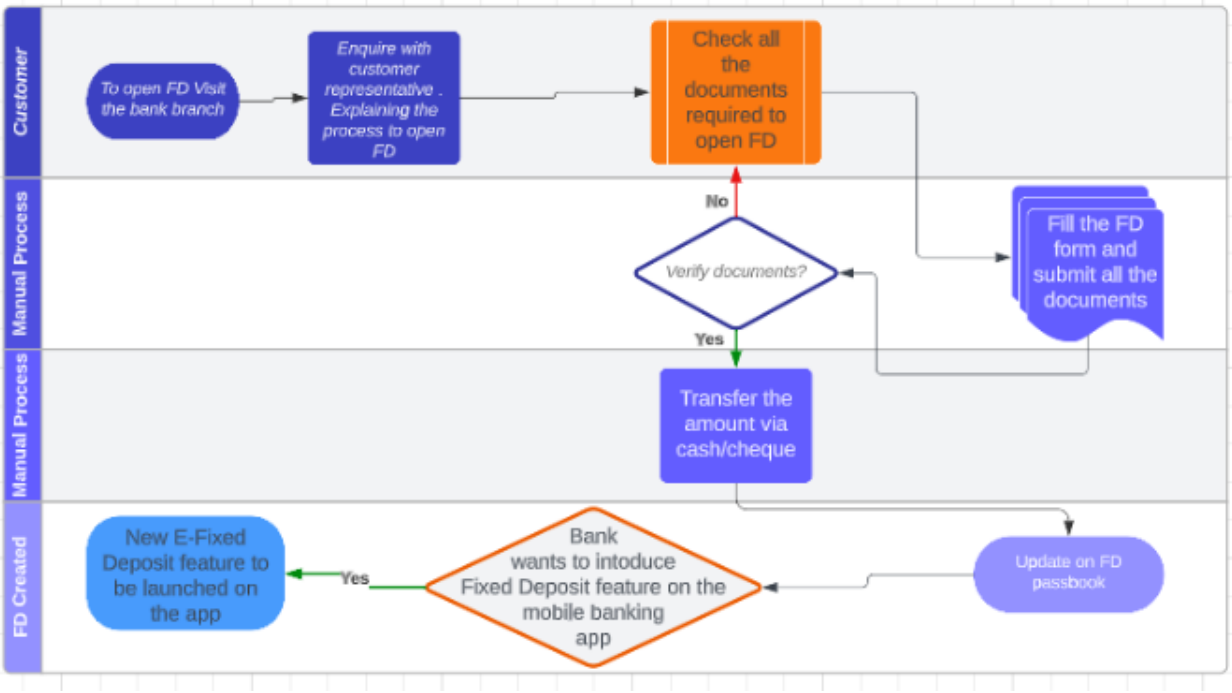
Quality Analyst
Architect

Finance Head
Sr. Finance Manager
Auditor

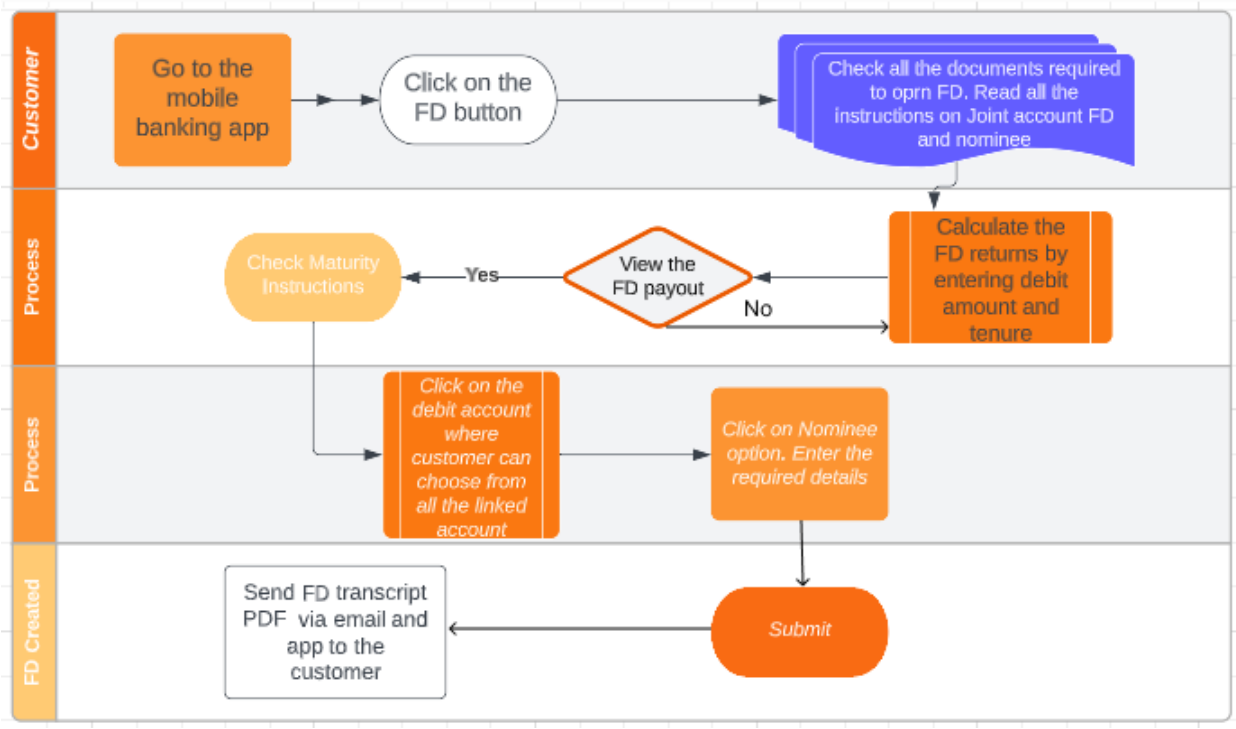
Sales and Marketing
Marketing Manager
Brand Manager
Sales Manager

2. Create As-Is and Future Process map (using flowcharts)

Current State



Future State



3. As a Business Analyst working on this project, find out the scope of online FD creation. Write down the main features that need to be developed.

Features to be added to ensure a comprehensive and user-friendly experience. Here are some essential features a banking app should have for creating a fixed deposit:

Account Management: Users should be able to view their existing accounts and select the account from which they want to create a fixed deposit. The app should provide a clear and intuitive interface for managing accounts.

Fixed Deposit Calculator: A built-in calculator can help users estimate the potential returns on their fixed deposit based on factors like principal amount, interest rate, and tenure. This feature assists users in making informed decisions.

Term Selection: The app should allow users to choose the tenure or term for their fixed deposit, specifying the duration for which the funds will be locked in. Users should be able to select from available term options or input a custom term if applicable.

Interest Rate Information: Users should have access to current interest rates offered by the bank for fixed deposits. Clear and up-to-date information about interest rates will help users make decisions based on the available options.

Investment Amount: The app should enable users to enter the amount they wish to invest in the fixed deposit. It should provide validation to ensure the investment amount meets any minimum requirements and falls within permissible limits.

Maturity Date and Amount: After the user specifies the tenure and investment amount, the app should calculate and display the maturity date and the maturity amount that the user can expect to receive at the end of the fixed deposit tenure.

Confirmation and Documentation: Once the user reviews the details of the fixed deposit, the app should provide a confirmation step. It may also generate necessary documentation, such as a confirmation receipt or agreement, which can be saved or emailed to the user.

Reminders and Notifications: The app should offer reminders and notifications to inform users about upcoming maturity dates, renewal options, or other relevant updates related to their fixed deposit.

Customer Support: In case users have any questions or require assistance during the fixed deposit creation process, the app should provide easy access to customer support channels, such as chat support or helpline numbers.

4. Write the in-scope and out-of-scope items for this software.

In-Scope

- Objectives: A global bank to introduce a few feature: E-Fixed Deposit
- Timeline: To complete the feature in 2 months.

- Deliverables: To complete the feature after quality test.
- Reports:Project Manager to provide weekly reports and schedule meeting 2 times a week to understand the achievement of the set per sprint.
- Budget: $ 2000
- Integration: Android and ios
- Marketing: Advertising new feature on online platforms and running campaigns, television and offline marketing.

Out-of-scope

- Major design changes: Making significant modifications to the overall app design, user interface,
- or user experience that go beyond the intended feature.
- Integration with unrelated systems: Incorporating integrations with external systems or services
- that are not necessary for the specific feature being developed.
- Large-scale performance optimizations: Addressing performance issues or optimizing the entire
- app when the focus is solely on adding a specific feature.
- Significant platform changes: Making changes that require re-architecting or rewriting a substantial
- portion of the app's codebase or targeting a different platform.
- Non-essential enhancements: Including additional enhancements, bells, and whistles that
- are not essential to the core functionality of the feature.
- Extensive data manipulation: Performing complex data transformations or handling large
- amounts of data processing that are not directly related to the feature.

5. Write out the business requirements, both functional and nonfunctional requirements.

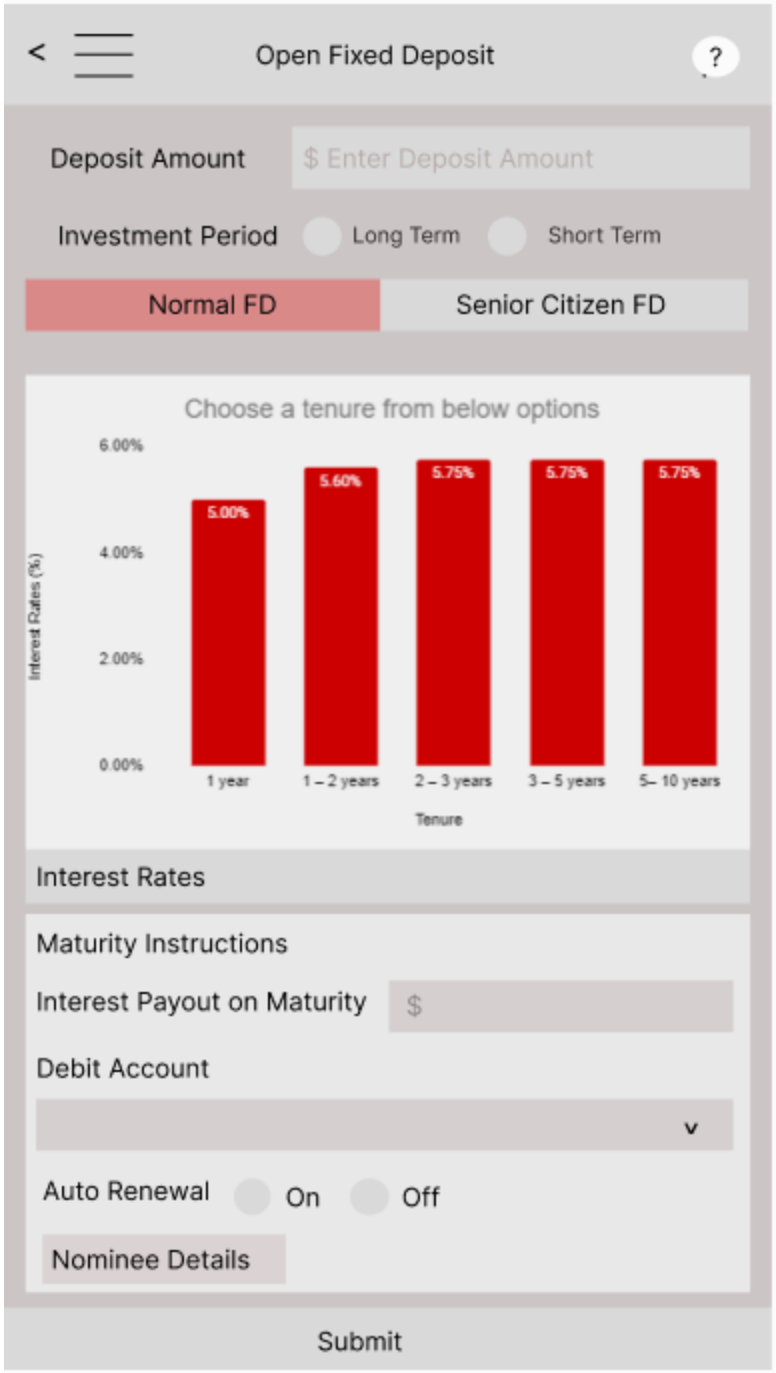
Functional Requirements

- The bank users can create a fixed deposit using their existing online banking account or through their existing mobile banking account.
- Checklist or requirements for opening ABC Bank FD online
- There should be a fixed deposit calculator
- In cases where a user has multiple bank accounts, he/she should be able to select which account to debit for the FD
- Users should be able to select one of the two maturity instructions.
- Renew FD for same tenor
- Credit maturity amount to my savings or current account
- There should be an option to create Joint FDs. In this case the name of the other customer along with his/her SSN details should be taken.
- Users should have an option to enter a *nominee*. In case of a nominee, the age should be asked. If the nominee is a minor, then guardian details need to be taken
- The user should be emailed a PDF copy of the FD. The PDF copy of the FD generated should be reflected in the online banking account and mobile banking account.

Non-functional Requirements

- Performance: The system should handle a large number of concurrent users and process transactions quickly and efficiently.
- Security: The app should have robust security measures in place to protect user data, including encryption, secure authentication, and secure communication protocols.
- Reliability: The system should be highly available and reliable, with minimal downtime and the ability to recover from failures.
- Scalability: The app should be able to handle increasing user demand and be scalable to accommodate future growth.
- Usability: The app should have a user-friendly interface, intuitive navigation, and provide clear instructions for performing fixed deposit transactions.
- Accessibility: The app should be accessible to users with disabilities, complying with relevant accessibility standards.
- Compatibility: The app should be compatible with various devices, operating systems, and screen sizes to ensure a seamless user experience across different platforms.
- Compliance: The app should comply with relevant regulatory requirements and industry standards, such as data protection and financial regulations.
- Performance Monitoring: The system should have monitoring capabilities to track performance metrics, identify bottlenecks, and optimize system performance.
- Auditability: The app should maintain a comprehensive audit trail of fixed deposit transactions and user activities for compliance and security purposes.

6. Draw wireframes or mock screens for any two of the features. Use the technique prototyping or wireframing that is taught in the training.



7. **Agile scrum Methodology**

Make a product backlog of user stories.

Edit sprint: EFD Sprint 1

Sprint name *

EFD Sprint 1

Duration

2 weeks

Start date

5/18/2023 12:30 AM

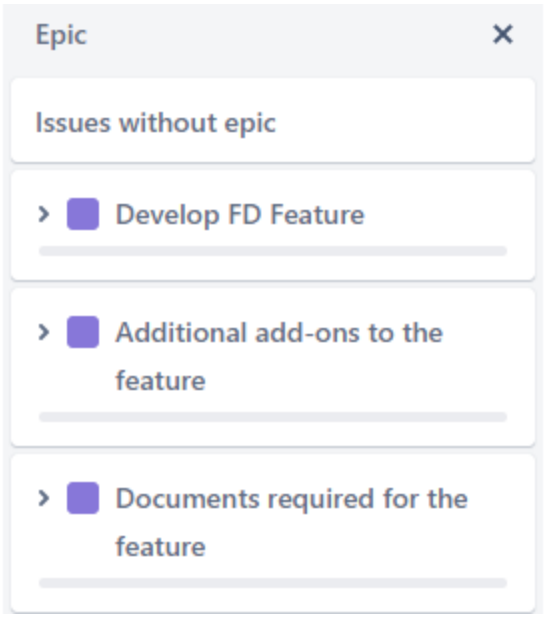
End date

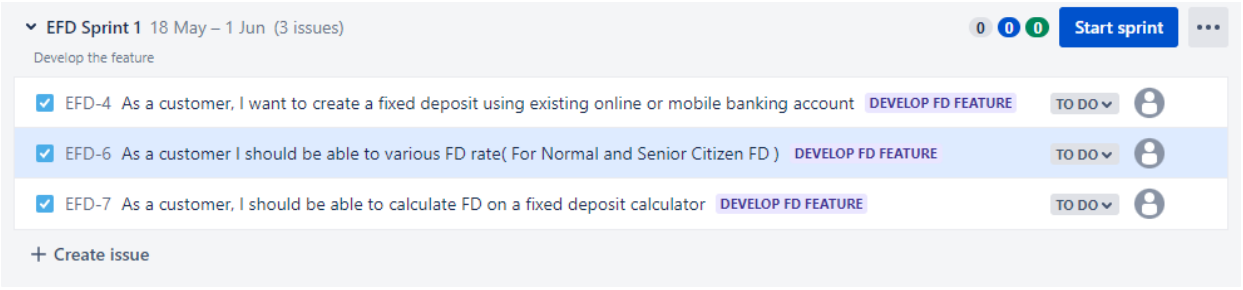
6/1/2023 12:30 AM

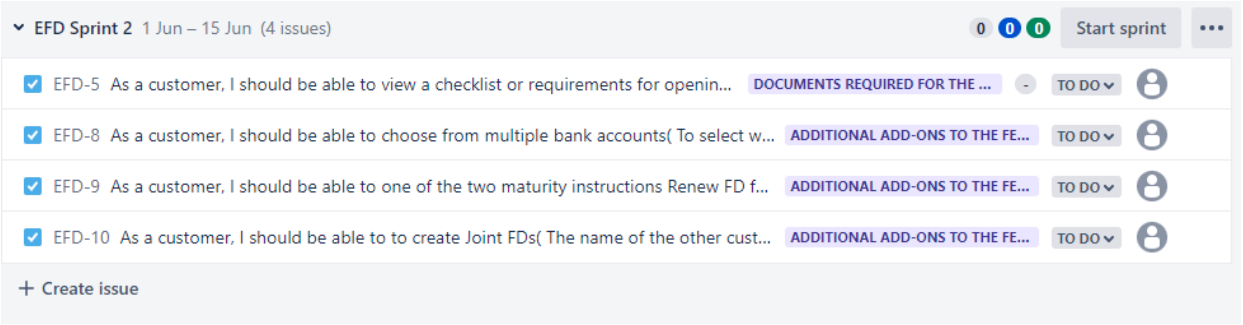
Sprint goal

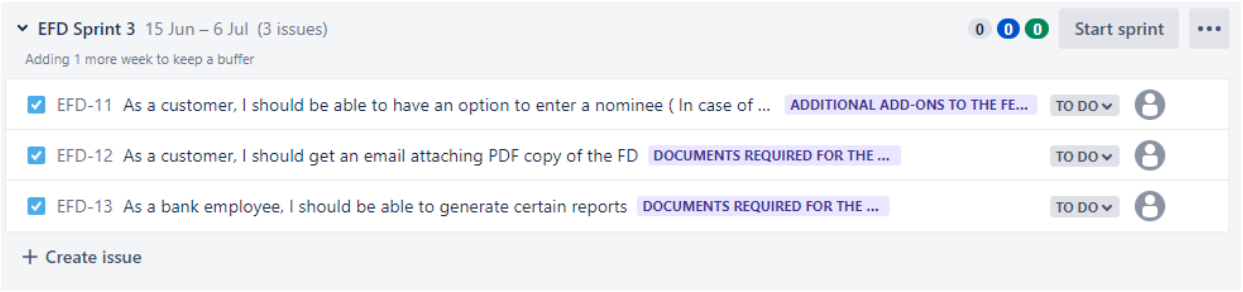
Develop the feature

Update Cancel

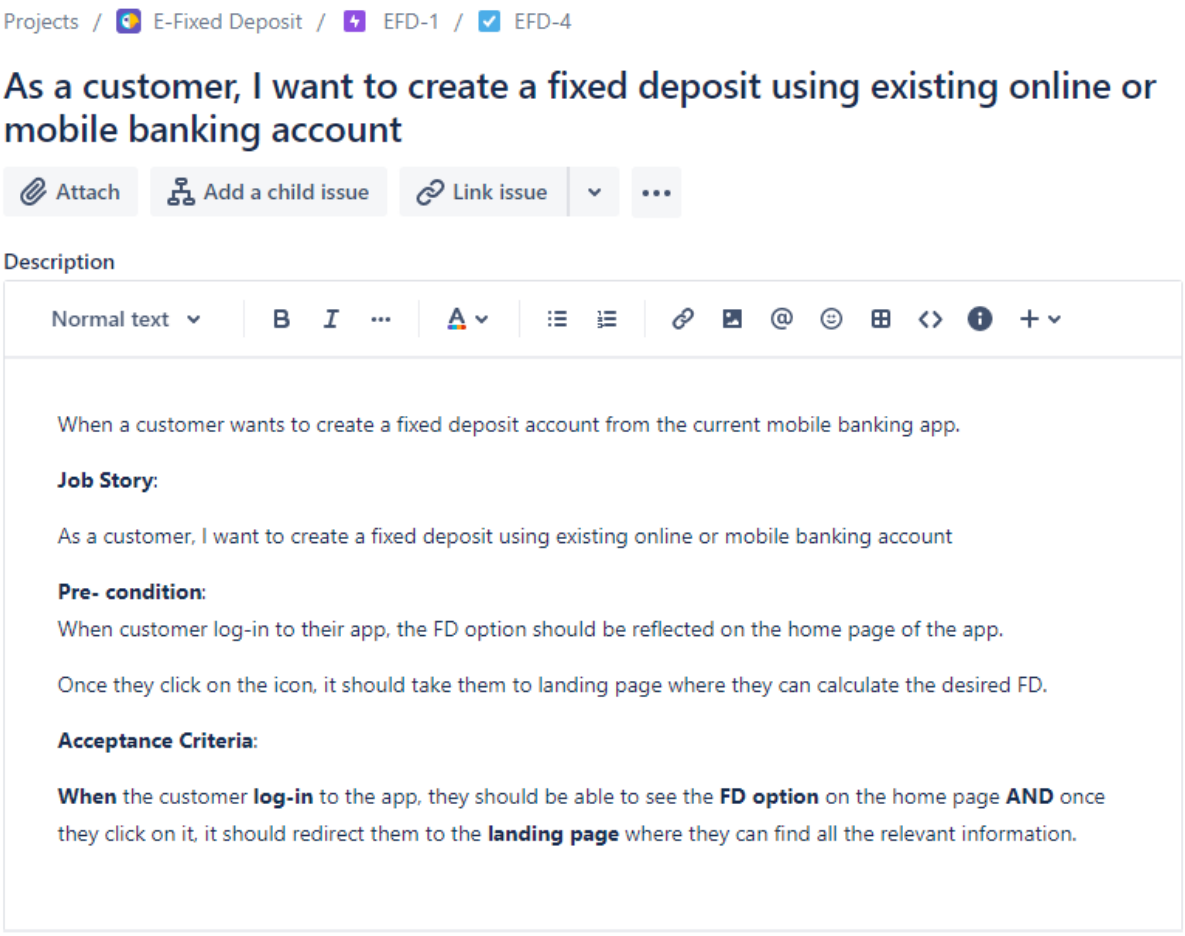

Epic
Issues without epic
Develop FD Feature
Additional add-ons to the feature
Documents required for the feature


EFD Sprint 1 18 May – 1 Jun (3 issues)
0 0 0
Start sprint
Develop the feature
EFD-4 As a customer, I want to create a fixed deposit using existing online or mobile banking account DEVELOP FD FEATURE TO DO
EFD-6 As a customer I should be able to various FD rate(For Normal and Senior Citizen FD) DEVELOP FD FEATURE TO DO
EFD-7 As a customer, I should be able to calculate FD on a fixed deposit calculator DEVELOP FD FEATURE TO DO
Create issue


EFD Sprint 2 1 Jun – 15 Jun (4 issues)
0 0 0
Start sprint
EFD-5 As a customer, I should be able to view a checklist or requirements for openin... DOCUMENTS REQUIRED FOR THE ... TO DO
EFD-8 As a customer, I should be able to choose from multiple bank accounts(To select w... ADDITIONAL ADD-ONS TO THE FE... TO DO
EFD-9 As a customer, I should be able to one of the two maturity instructions Renew FD f... ADDITIONAL ADD-ONS TO THE FE... TO DO
EFD-10 As a customer, I should be able to to create Joint FDs(The name of the other cust... ADDITIONAL ADD-ONS TO THE FE... TO DO
Create issue


EFD Sprint 3 15 Jun – 6 Jul (3 issues)
0 0 0
Start sprint
Adding 1 more week to keep a buffer
EFD-11 As a customer, I should be able to have an option to enter a nominee (In case of ... ADDITIONAL ADD-ONS TO THE FE... TO DO
EFD-12 As a customer, I should get an email attaching PDF copy of the FD DOCUMENTS REQUIRED FOR THE ... TO DO
EFD-13 As a bank employee, I should be able to generate certain reports DOCUMENTS REQUIRED FOR THE ... TO DO
Create issue

For each story, write the acceptance criteria.



Projects / E-Fixed Deposit / EFD-1 / EFD-6

As a customer I should be able to various FD rate(For Normal and Senior Citizen FD)

Attach | Add a child issue | Link issue

Description

Normal text

Acceptance Criteria:

When the customer is on the landing page, they should be able to see Normal FD and Senior FD option. Once they click on any one option the graph will reflect the Interest rates below.

Projects / E-Fixed Deposit / EFD-1 / EFD-7

As a customer, I should be able to calculate FD on a fixed deposit calculator

Attach | Add a child issue | Link issue

Description

Normal text

Acceptance criteria:

When the customer is on the landing page, they should be able to calculate the FD rates based on the amount, tenure and Interest rates. It should be reflected on the page where Interest payout on maturity option.

Projects / E-Fixed Deposit / EFD-3 / EFD-5

As a customer, I should be able to view a checklist or requirements for opening FD online

Attach | Add a child issue | Link issue

Description

Acceptance criteria:

The ? option on the right side of the screen(as shown in the wireframe) once the customer clicks on it , a page should pop up where all the required information should be reflected (documents required, nominee, how to create Joint account FD)

Projects / E-Fixed Deposit / EFD-2 / EFD-8

As a customer, I should be able to choose from multiple bank accounts(To select which account to debit for the FD)

Attach | Add a child issue | Link issue

Description

Create a Debit Account option on the landing page

Acceptance Criteria:

On the feature page the customer should be able to choose from multiple account. Once the customer clicks on the arrow on the right side of the Debit Account option the list of mapped account should be reflected and + add account option should be reflected.

Projects / E-Fixed Deposit / EFD-2 / EFD-9

As a customer, I should be able to one of the two maturity instructions Renew FD for same tenor and Credit maturity amount to my savings or current account

Attach | Add a child issue | Link issue

Description

Pre- Condition:

Create a maturity instruction option on the landing page. A page should pop-up once the customer clicks on the maturity instruction option, the page will have the all the required details related to maturity of FD

Acceptance Criteria:

Once customer clicks on the maturity option a page should pop-up where all the maturity of FD related instruction will be reflected.

Projects / E-Fixed Deposit / EFD-2 / EFD-10

As a customer, I should be able to to create Joint FDs(The name of the other customer along with his/her SSN details should be taken)

Attach | Add a child issue | Link issue

Description

Normal text

Pre-condition:

Create a Joint FD option and list the information on ? option on the top right corner of the screen.

Acceptance criteria:

When the customer clicks on the Joint FD option, a new page should pop-up asking the other customer details like Name, Age, etc.

Projects / E-Fixed Deposit / EFD-2 / EFD-11

As a customer, I should be able to have an option to enter a nominee (In case of a nominee, the age should be asked and If the nominee is a minor, then guardian details need to be taken)

Attach | Add a child issue | Link issue

Description

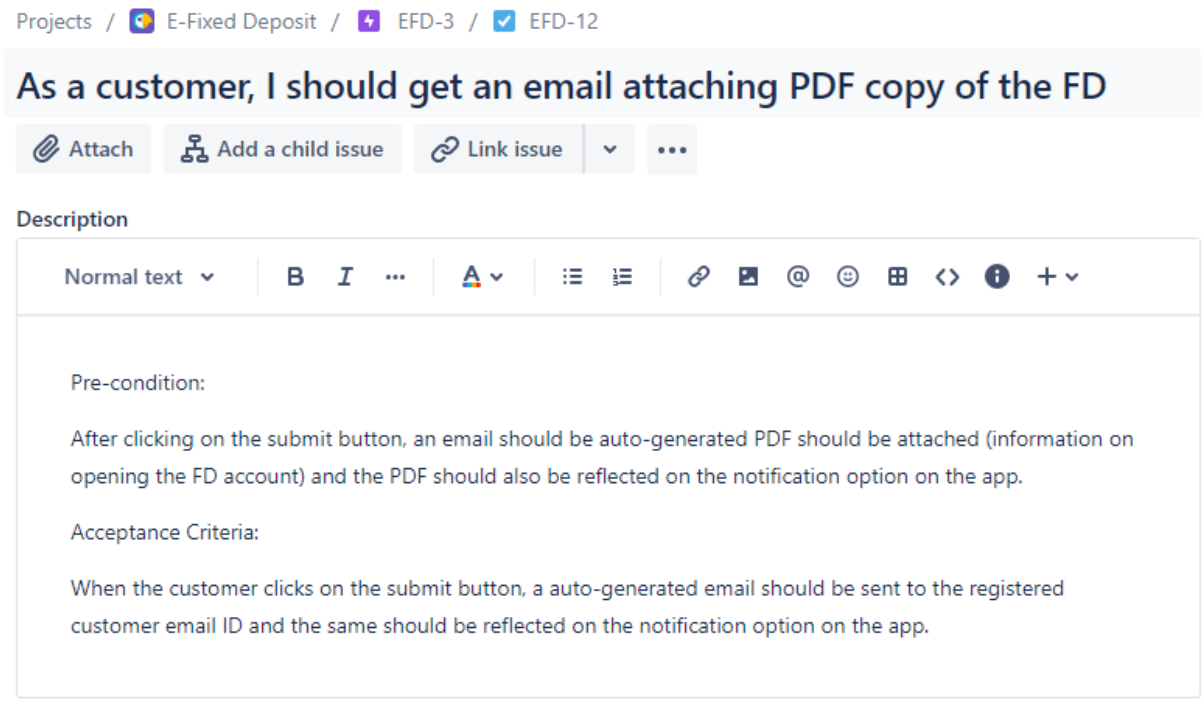
Normal text

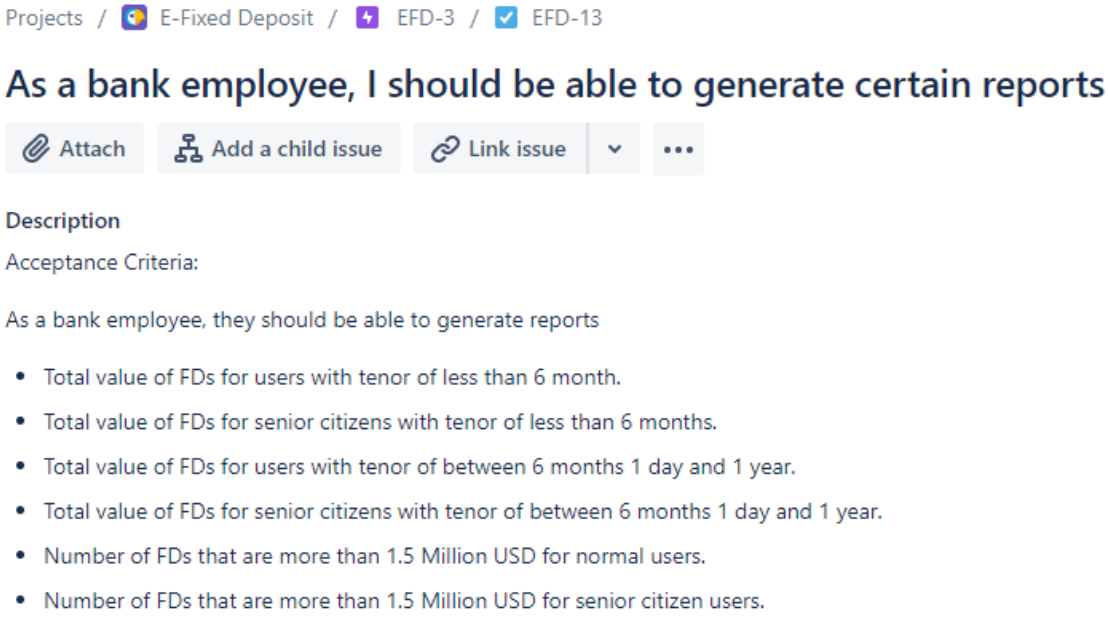
Pre-condition:

Create a nominee option on the landing page(as shown on wireframe). Once the customer clicks on it, a new page should pop-up asking for nominee details(asking questions like relation, minor- yes or no). The information about the nominee will be relected on ? option.

Acceptance Criteria:

When the customer clicks on the Nominee option, a new page to pop-up asking for nominee information.

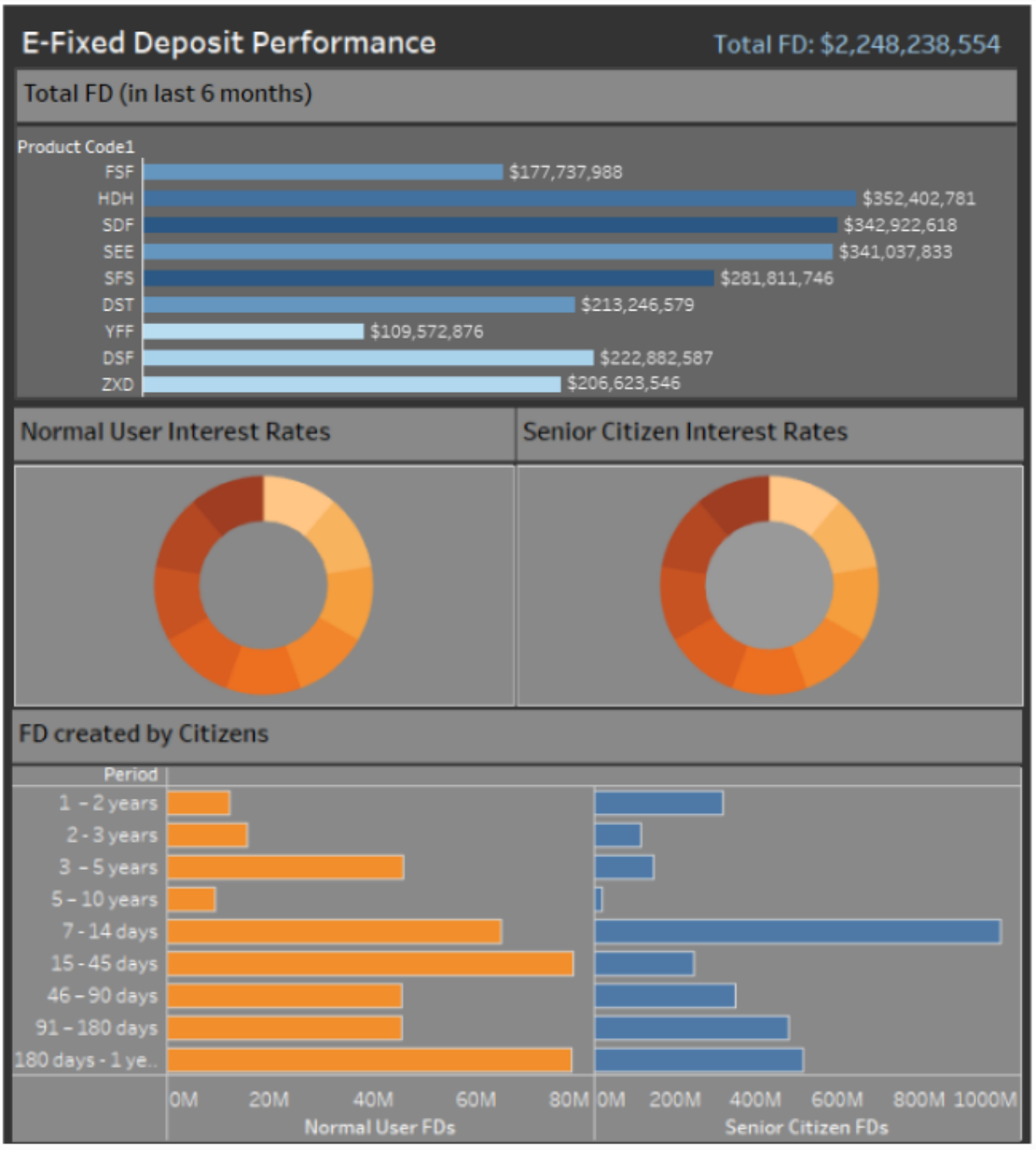




8. Tableau Dashboard

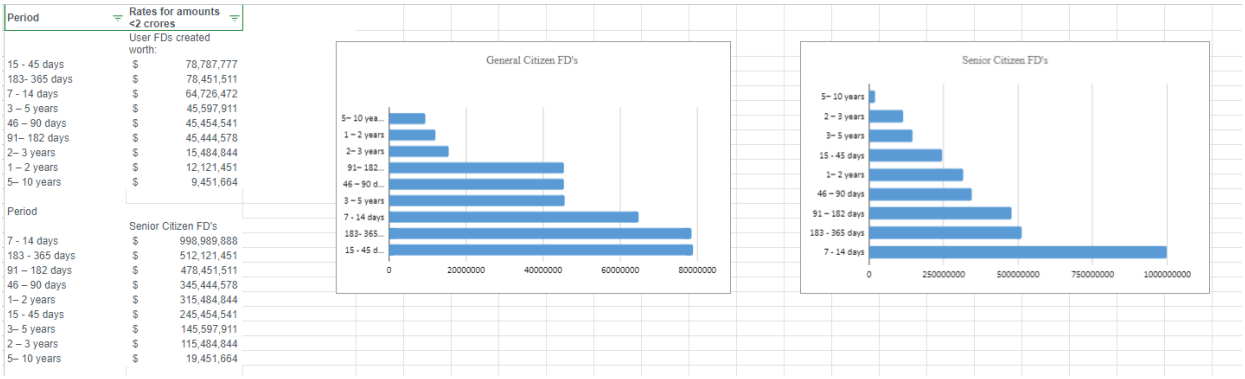
Create a dashboard for senior management to view FDs created over the last 6 months. Make assumptions as appropriate and create the dashboard using your own mock data. For any

missing data, make your assumptions to create mock data. Write down the assumptions as well.



9. Excel

Create a bar graph showing the FD sales for different periods of investment. Draw two bar graphs: one for normal users and other for senior citizens. label the chart drawn correctly so that senior management gets a clear report of sales.



Period	Rates for amounts <2 crores
	User FDs created worth:
15 - 45 days	$ 78,787,777
183- 365 days	$ 78,451,511
7 - 14 days	$ 64,726,472
3 – 5 years	$ 45,597,911
46 – 90 days	$ 45,454,541
91– 182 days	$ 45,444,578
2– 3 years	$ 15,484,844
1 – 2 years	$ 12,121,451
5– 10 years	$ 9,451,664

Period	Senior Citizen FD's
7 - 14 days	$ 998,989,888
183 - 365 days	$ 512,121,451
91 – 182 days	$ 478,451,511
46 – 90 days	$ 345,444,578
1– 2 years	$ 315,484,844
15 - 45 days	$ 245,454,541
3– 5 years	$ 145,597,911
2 – 3 years	$ 115,484,844
5– 10 years	$ 19,451,664

Using vlookup for product code HDH, find the rate for senior citizens for amounts less than 2 crore.

Using vlookup for product code YFF, find the rate for senior citizens for amounts less than 2 crore.

Period	Product Code	User Rates	Senior Citizen Rates	User Rates	Senior Citizen Rates
7 - 14 days	HDH	3.00%	3.50%	3.50%	4.00%
15 - 45 days	SDF	3.50%	4.00%	4.00%	4.50%
46 – 90 days	FSF	4.00%	4.50%	4.50%	5.00%
91 days – 6 months	SEE	4.50%	5.00%	5.00%	5.50%
6 months 1 day to 1 year	SFS	5.00%	5.50%	5.60%	6.10%
1 year 1 day – 2 years	ZXD	5.60%	6.10%	5.75%	6.25%
2 years 1 day – 3 years	DSF	5.75%	6.25%	5.50%	6.10%
3 years 1 day – 5 years	DST	5.75%	6.25%	5.50%	6.00%
5 years 1 day – 10 years	YFF	5.75%	6.25%	5.50%	6.00%

HDH	3%
YFF	6.25%