

Nowted™

PRODUCT REQUIREMENTS DOCUMENTS

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A.1 Problem

As someone who wants to venture into the world of development, it is essential to have a comprehensive, engaging, and well-written portfolio of applications. Because of this challenge, I need an application that can be created by beginners with minimal experience but meets the criteria mentioned above.

A.2 High-level Approach

After considering my knowledge and experience, I have a planned timeline for the creation of the product as outlined below:

1. CRUD (Create, Read, Update, Delete)

CRUD is a feature for adding, reading, updating, and deleting data or content that can be performed by the user. This feature will be the main functionality of the application to be developed.

2. Authorization

With authorization, each user can have their own content and only access their content. This feature can also be created by a beginner but plays an important role.

A.3 Goals & Key Success Metrics

1. CRUD can work without any problem

1.1 User can add or create new content

1.2 User can read all contents they have created

1.3 User can modify certain content they have created

1.4 User can delete certain content they have created

2. Authorization

2.1 Someone can create a new user account and login with that account

2.2 User can execute CRUD features to their content until they login

2.3 User cannot execute CRUD features if they logout or their session expired

B.1 Product

The product form of the application to be created is a note-taking app named Nowted. Why a note-taking app? Because the application solves the problem by having CRUD features and can be integrated with authorization. I took the name Nowted from the codedesign.dev website in the advanced applications section. This application also serves as a solution to the challenge on that website.

B.2 Nowted Product Roadmap

After considering my knowledge and experience, I have a planned timeline for the creation of the product as outlined below:

Activity	Week 1							Week 2							Week 3							Week 4							Plus	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Prepare																														
Slicing UI																														
Development															Create	Read	Update	Delete												
Testing																														
Deployment																														

Figure 2.1 Product Roadmap

B.3 List of Requirements

Requirements	Description
01	User can create new content
02	User can read new content they have created
03	User can modify certain content they have created
04	User can delete certain content they have created
05	Someone can create new user
06	Someone can login to application with user they have created
07	Only users who are logged in can execute CRUD operations.
08	Someone cannot execute CRUD features if they don't have a user account
09	Someone cannot execute CRUD features if they logout or session expired

B.4 Feature List, Goals, and Success Metrics

Feature	Goals	Success Metric	Requirements & Scope
1. CRUD (Create, Read, Update, Delete)	CRUD can be executed without any problem	Metric 1.1 User can create new content	Requirements: 01, 07, 08, 09 Scope : Main Page, Content Database, Session
		Metric 1.2 User can read new content they have created	Requirements: 02, 07, 08, 09 Scope : Main Page, Content Database, Session
		Metric 1.3 User can modify certain content they have created	Requirements: 03, 07, 08, 09 Scope : Main Page, Content Database, Session
		Metric 1.4 User can delete certain content they have created	Requirements: 04, 07, 08, 09 Scope : Main Page, Content Database, Session
2. Authorization	Authorization can be executed without any problem	Metric 2.1 Someone can create a new user account and login with that account	Requirements: 05, 06 Scope : Login Page, Register Page, User Database
		Metric 2.2 User can execute CRUD features to their content until they login	Requirements: 01, 02, 03, 04, 07 Scope : Main Page, Content Database, Session
		Metric 2.3 User cannot execute CRUD features if they logout or their session expired	Requirements: 09 Scope : Main Page, Session

B.5 Flow

Below is process shown in user flow that runs at Nowted. For more detail information please access the Figma link here.

REGISTER FLOW

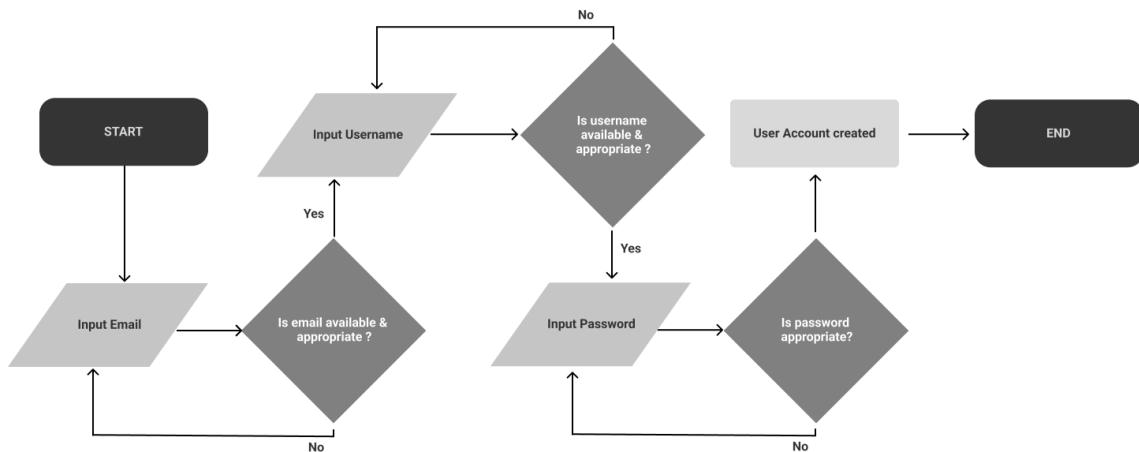


Figure 2.2 Register Process Flow

LOGIN FLOW

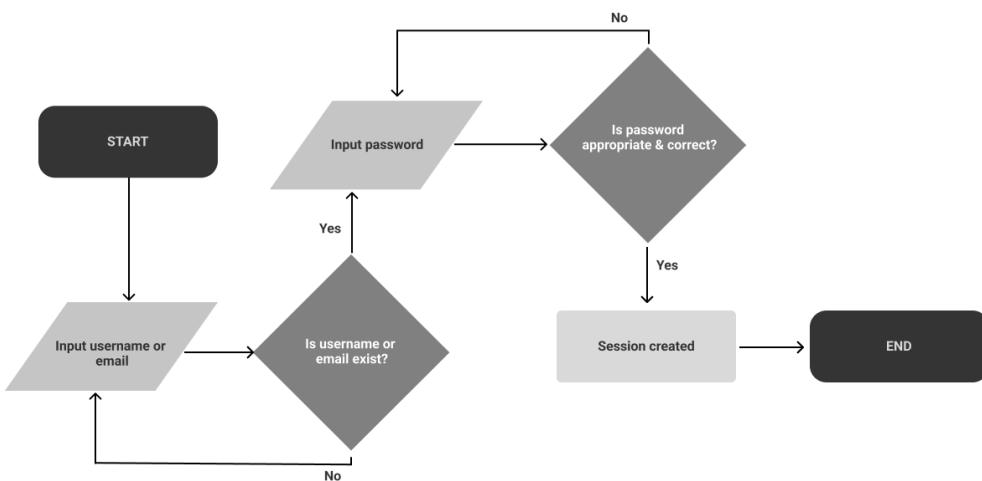


Figure 2.3 Login Process Flow

CRUD FLOW

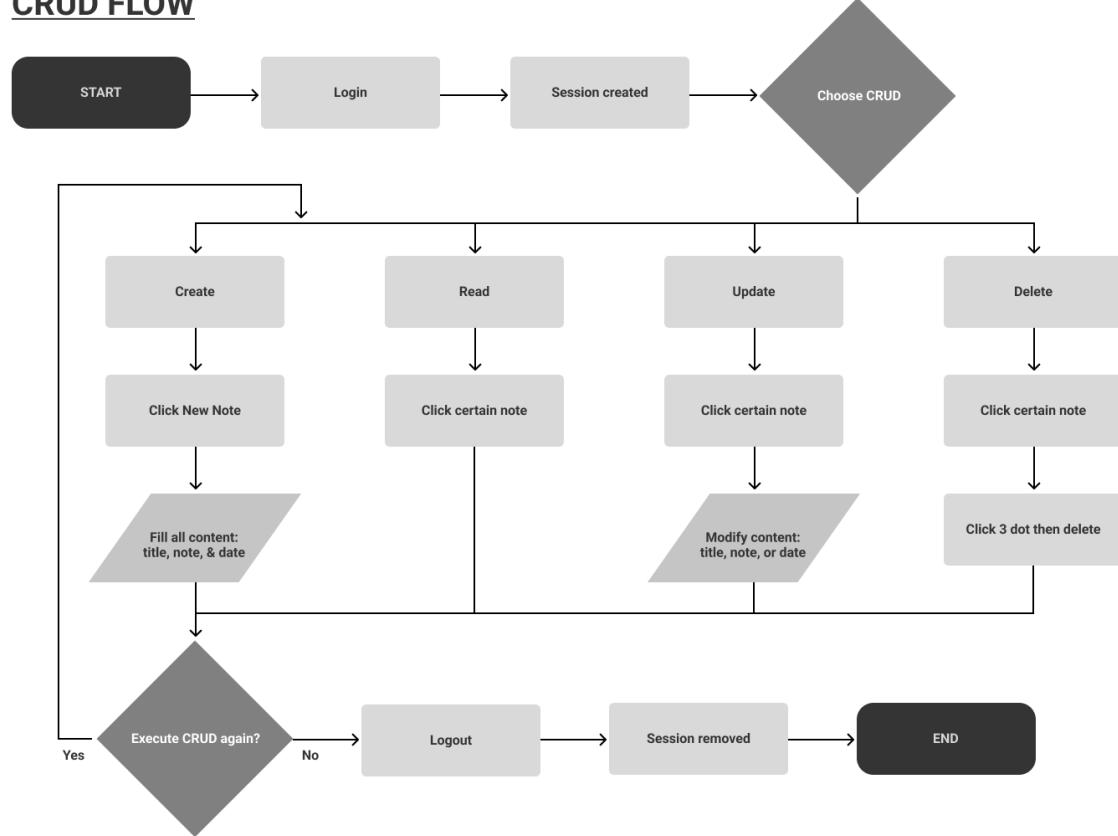


Figure 2.4 CRUD Process Flow

B.6 Mockup

To help understand user stories better, there are mockups to be followed below.

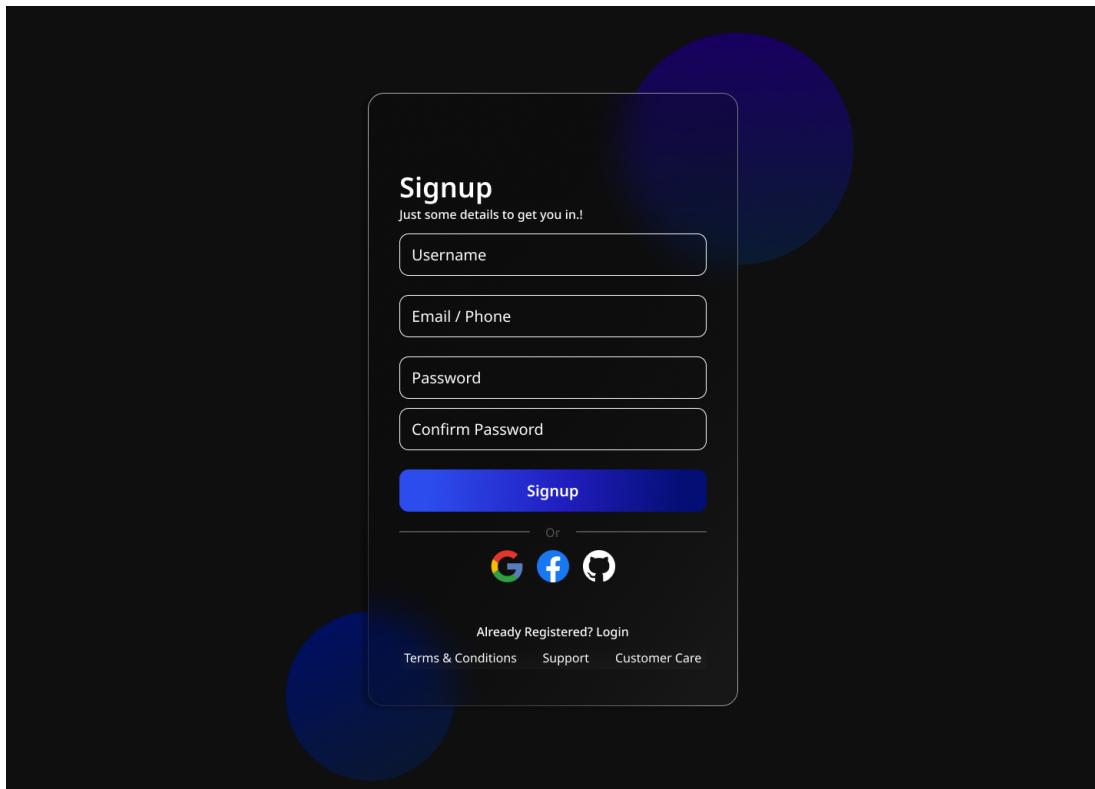


Figure 2.5 Register / Sign up Page

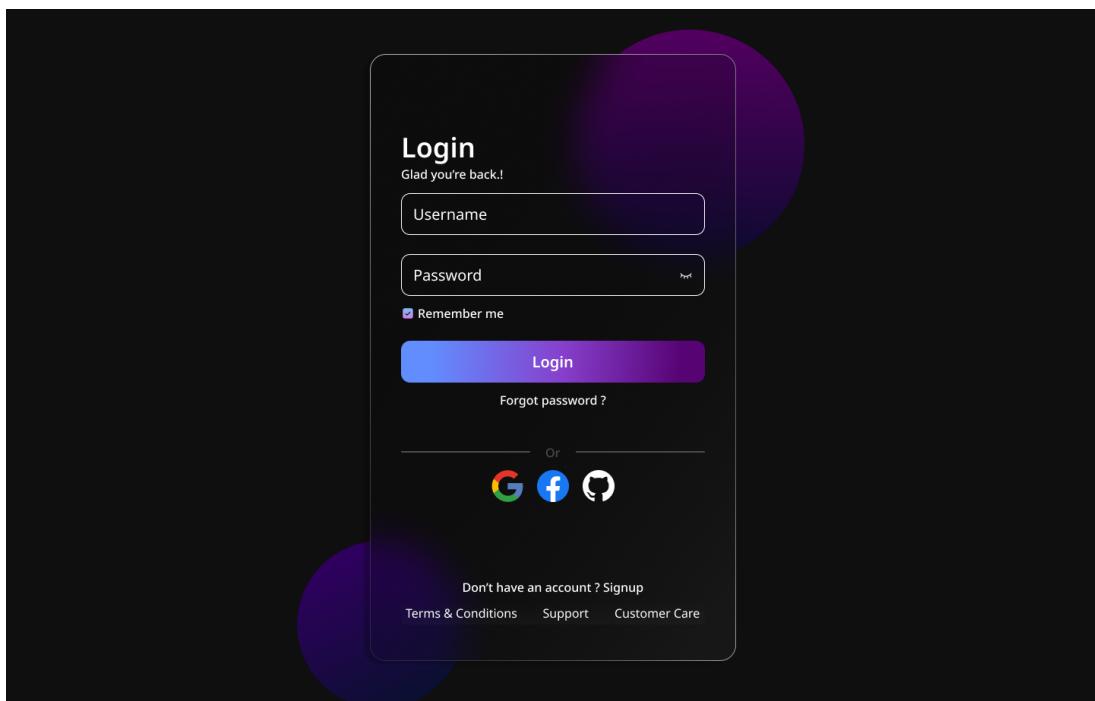


Figure 2.6 Login Page

B. SOLUTION ALIGNMENT

Nowted⁰

The screenshot shows the main interface of the Nowted app. At the top, there's a header with the app name "Nowted⁰". Below the header is a search bar and a button for "+ New Note". The main area displays a list of notes:

- Reflection on the Month of June** (21/06/2022) - It's hard to believe that June is already over! Looking back on the month, there were a few highlights that stand out to me. One of the best things that happened was getting promoted at work. I've been working really hard and it's great to see that effort recognized. It's also exciting to have more responsibility and the opportunity to contribute to the company in a bigger way. I'm looking forward to taking on new challenges and learning as much as I can in my new role.
- My Favorite Memories from Childhood** (11/04/2022) - I was reminiscing about ...
- Reflections on My First Year of College** (08/04/2022) - It's hard to believe that ...
- My Experience with Meditation** (24/03/2022) - I've been trying to ...
- Thoughts on the Pandemic** (01/02/2021) - It's hard to believe that ...
- My Favorite Recipes**

At the bottom of the screen, there are navigation icons for Date, Personal, and a three-dot menu.

Figure 2.7 Main Page

B.7 User Stories

CRUD		
User Stories	Acceptance Criteria	Requirements & Design
As a User I want to be able to create new note So that I can have my own note	<p>Given:</p> <ul style="list-style-type: none"> User at Main page <p>When:</p> <ul style="list-style-type: none"> User click new note User fill all content, title, date, & note. <p>Then:</p> <ul style="list-style-type: none"> System create new note in the content database System shows new note created 	<p>Requirements</p> <p>01 07</p> <p>Design</p> <p>Figure 2.7</p>
As a User, I want to be able to read my note So that I can check my note	<p>Given:</p> <ul style="list-style-type: none"> User at Main page A note <p>When:</p> <ul style="list-style-type: none"> User click the note <p>Then:</p> <ul style="list-style-type: none"> System shows the note 	<p>Requirements</p> <p>02 07</p> <p>Design</p> <p>Figure 2.7</p>

B. SOLUTION ALIGNMENT

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CRUD		
User Stories	Acceptance Criteria	Requirements & Design
As a User, I want to be able to modify my note So that I can change my note	Given: <ul style="list-style-type: none"> User at Main page A note When: <ul style="list-style-type: none"> User click the note User modify some content: title, date, or note Then: <ul style="list-style-type: none"> System update change note in the content database System shows note changed 	Requirements 03 07 Design Figure 2.7
As a User, I want to be able to delete my note So that I can remove the note from this application	Given: <ul style="list-style-type: none"> User at Main page A note When: <ul style="list-style-type: none"> User click the note User click 3 dot User click delete Then: <ul style="list-style-type: none"> System delete the note in the content database System shows note removed 	Requirements 04 07 Design Figure 2.7

Authorization		
User Stories	Acceptance Criteria	Requirements & Design
As a Someone, I want to be able to create new account in this application So that I can create, read, update, delete my own note	Given: <ul style="list-style-type: none"> Someone at Register page When: <ul style="list-style-type: none"> Someone fill form Someone click register / sign up button Then: <ul style="list-style-type: none"> System create new user account in the user database System shows new account created 	Requirements 05 08 Design Figure 2.5

B. SOLUTION ALIGNMENT

Nowted[®]

Authorization		
User Stories	Acceptance Criteria	Requirements & Design
<p>As a Someone, I want to be able to log in to this application</p> <p>So that I can create, read, update, delete my own note</p>	<p>Given:</p> <ul style="list-style-type: none">• Someone at Login page <p>When:</p> <ul style="list-style-type: none">• Someone fill form• Someone click login button <p>Then:</p> <ul style="list-style-type: none">• System create new session for their account• User at Main Page	<p>Requirements</p> <p>06 07</p> <p>Design</p> <p>Figure 2.6 Figure 2.7</p>