

01



APPLICATION DEVELOPMENT

Human Computer Interaction 1

APPLICATION & DOCUMENTATION

StreamNote

— EDUCATION AND NOTE-TAKING TOOL —



MEET THE DEVELOPERS



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StreamNote

Problem

Vivarium is a 20 year old, sophomore student at West Visayas State University. She is having difficulty in writing notes since her favorite free note-taking and digital learning app suddenly upgraded to a paid one and does not offer student-friendly plans. As a student, she prefers a free note-taking app that can convert her notes into flash cards that can organize and create complete notes for her to study for the upcoming midterm exams. The available software required a premium subscription, which led to a major inconvenience for her.

StreamNote App

StreamNote

StreamNote is an application developed to help students retain knowledge through interactive tools such as flashcards. Users are able to arrange, create, visualize, and print their own notes online or offline. It has several functionalities, such as categories for different subjects, flashcards, notes created by other students on the app, and a collaboration tool for making notes and flashcards to foster efficiency in learning. In a nutshell, StreamNote provides an exceptional range of features combined with meaningful connectivity and collaboration.

App Logo



StreamNote

App Logo

StreamNote

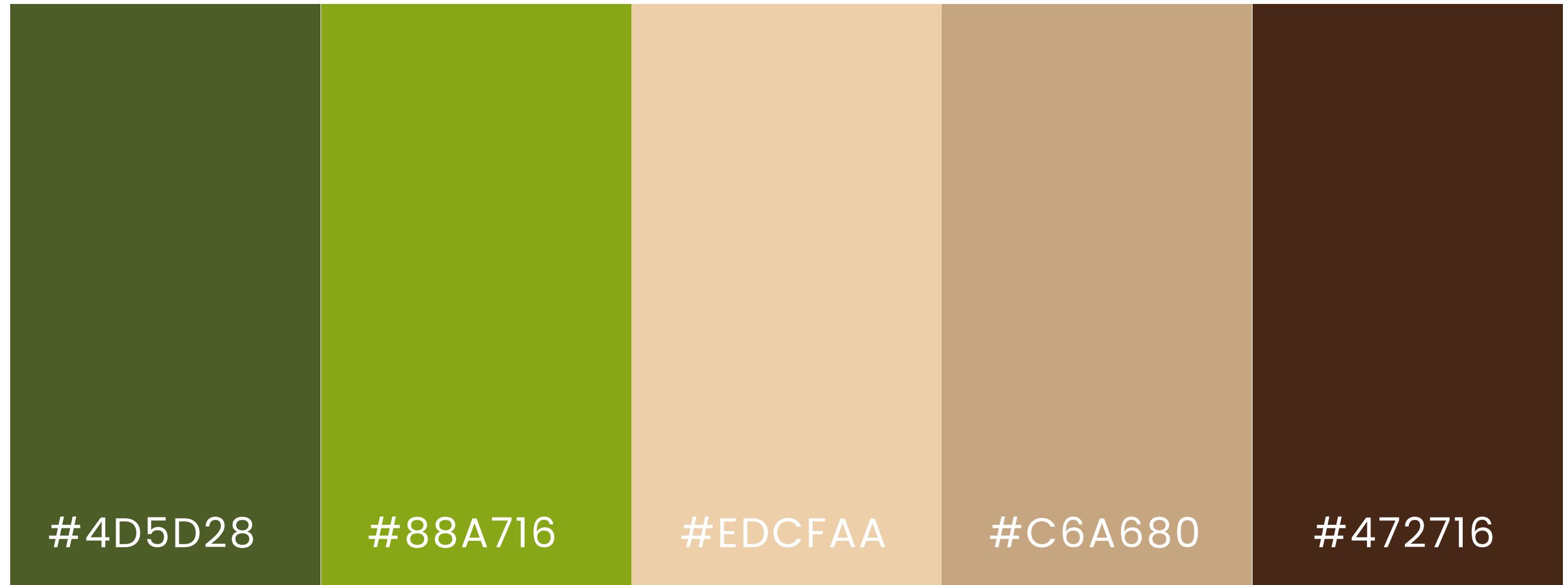


Letter 's' for stream

Letter 'n' for note



Color Palette



StreamNote

App Requirements

StreamNote

- Subject Categories
- Library
- Documents/Notes
- Flashcards
- Calendar
- Upcoming activities/quizzes

Personas



Vivarium is a sophomore student at West Visayas State University. Her midterm exams are two weeks away, so she is starting to take important notes she missed during lectures. She likes to follow lesson keywords, save pages, and create flashcards of additional information for her to study later. Her favorite free note-taking and digital learning app suddenly updated to a paid one and does not offer student-friendly plans. Instead, she prefers a free note-taking app that can convert her notes into flash cards that can organize and create complete notes for her to study for the upcoming midterm exams.

However, the majority of note-taking and digital learning applications are only available online, and no student-friendly plan is offered. Vivarium struggles due to a lack of resources. She is looking for a remote-accessible application that does not require a premium subscription.

POV Statement for the Persona

Vivarium, who is a sophomore West Visayas State University student, needs to keep track of her lessons because midterm exam week is approaching. However, she is having problems making complete and concise study notes that can be converted into flashcards that are available offline and visually appealing.

How Might We Statement

How might we make Vivarium's study notes complete, concise visually appealing and can be used for active recall studying?

Storyboard



Vivarium is a sophomore student who worries because she has difficulty taking and arranging her notes that can be used to make flashcards. Especially now that the midterm exam week is approaching.



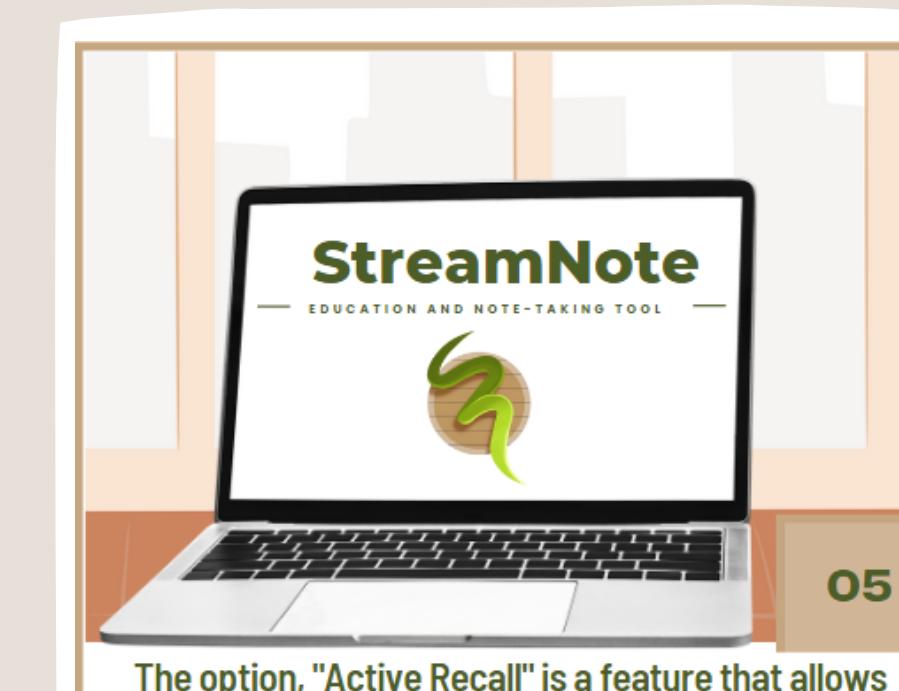
During her visit to the library, she overheard a note-taking and digital learning tool, StreamNote, from her batchmates that could help students like her.



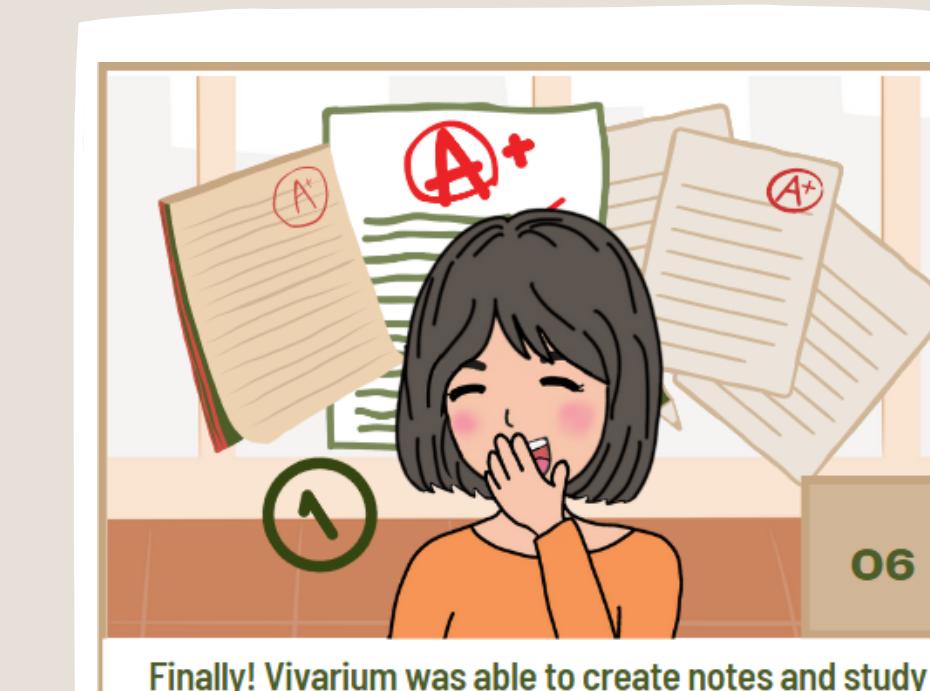
Vivarium was able to write and arrange her notes offline. They can also be converted into flashcards later on.



The note-taking and digital learning app, StreamNote , sends notifications daily at the exact time Vivarium inputted for her to study.



The option, "Active Recall" is a feature that allows Vivarium to convert her notes into flashcards to help her familiarize, understand, and memorize with the topics.

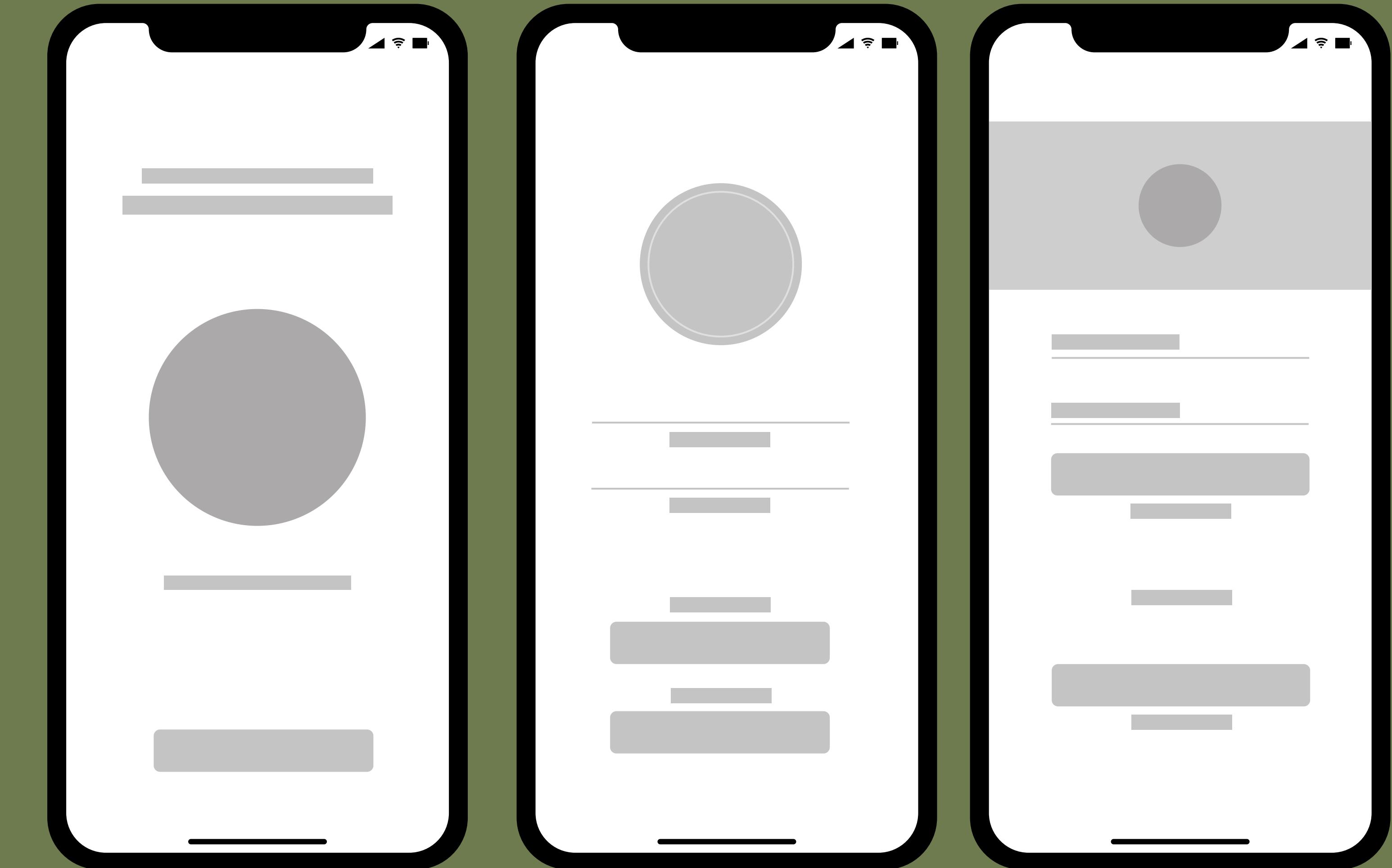


Finally! Vivarium was able to create notes and study actively for her midterm exams. This is because of the note-taking and digital learning app, StreamNote, her batchmates used.

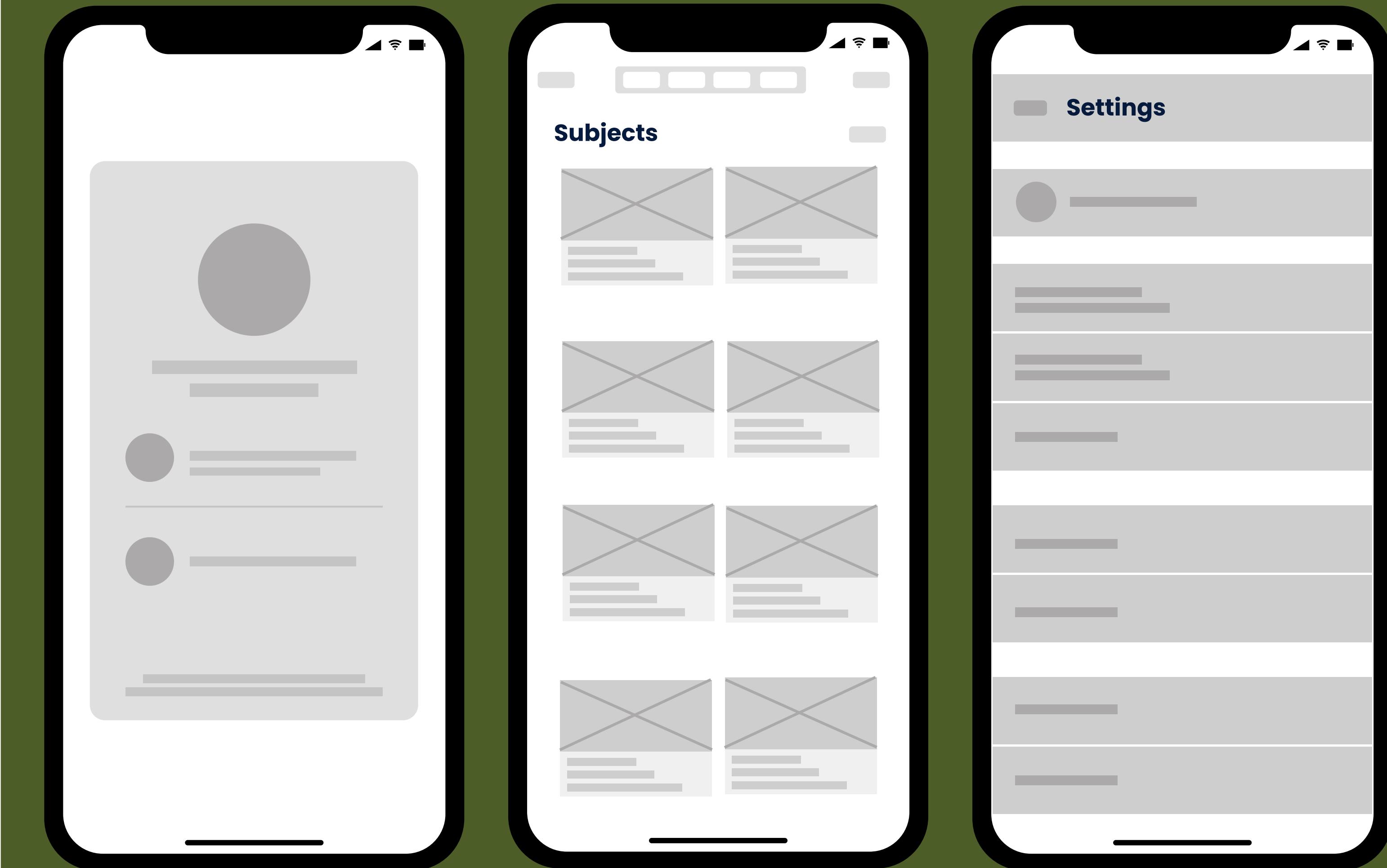
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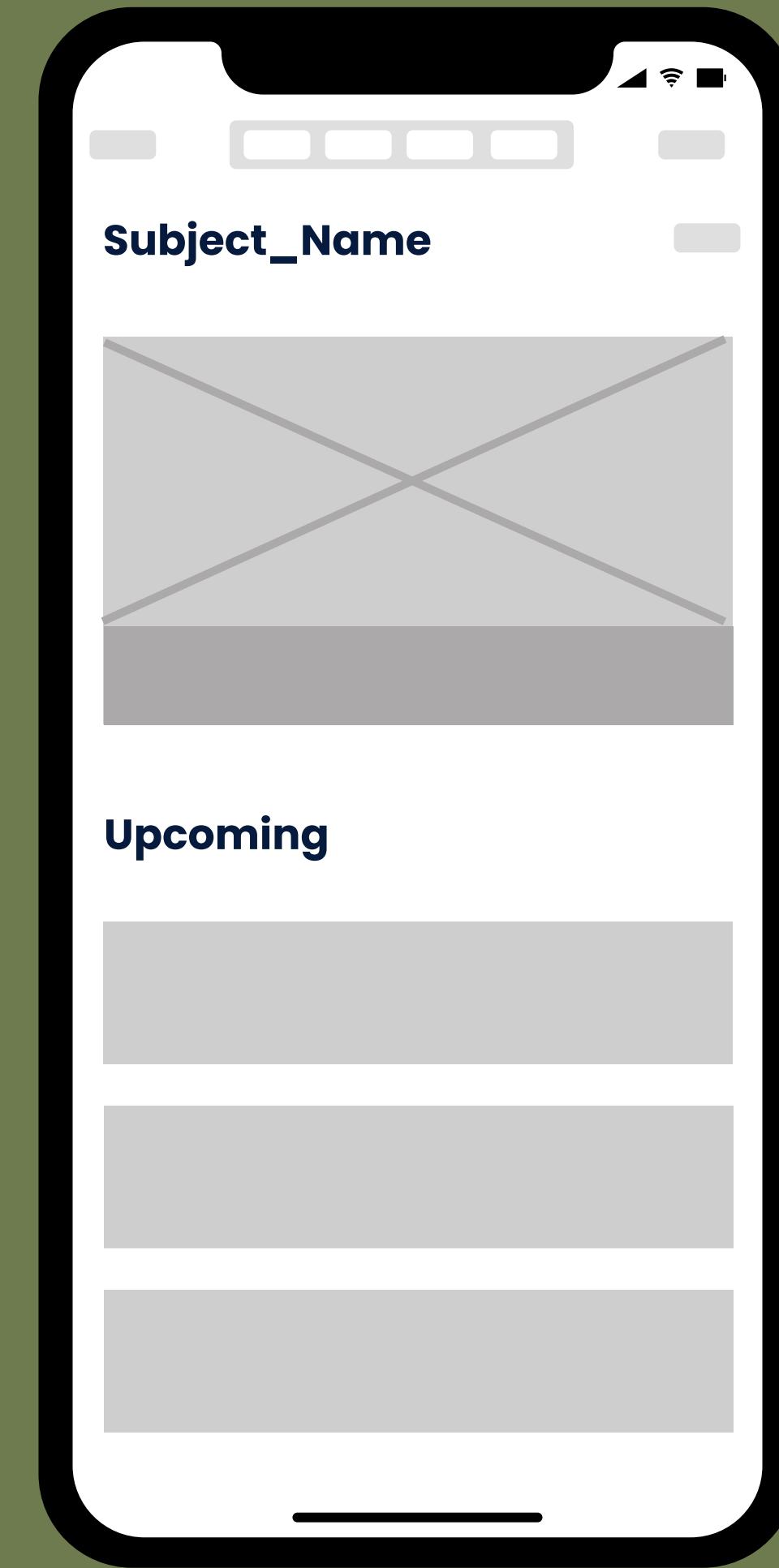
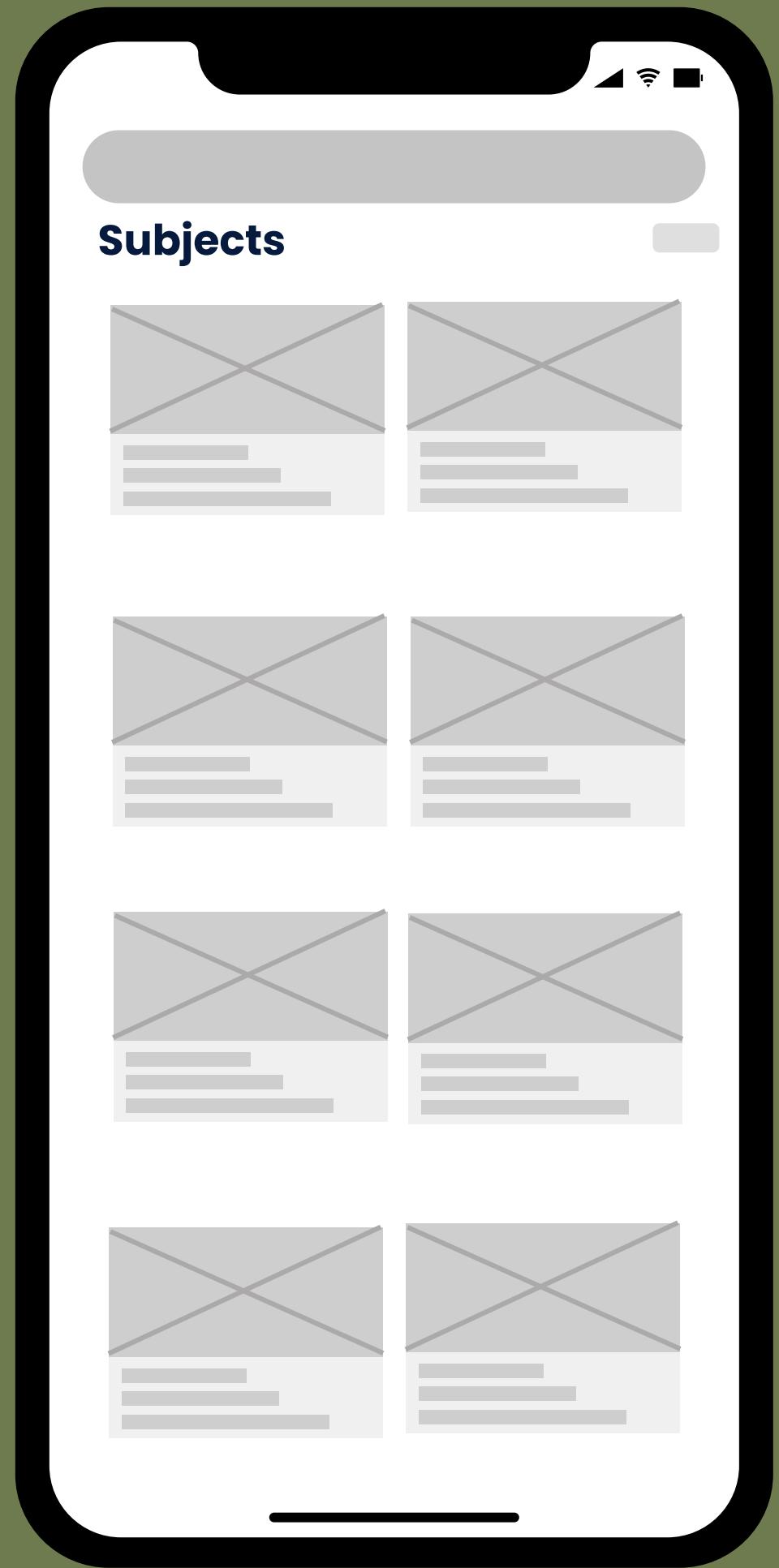
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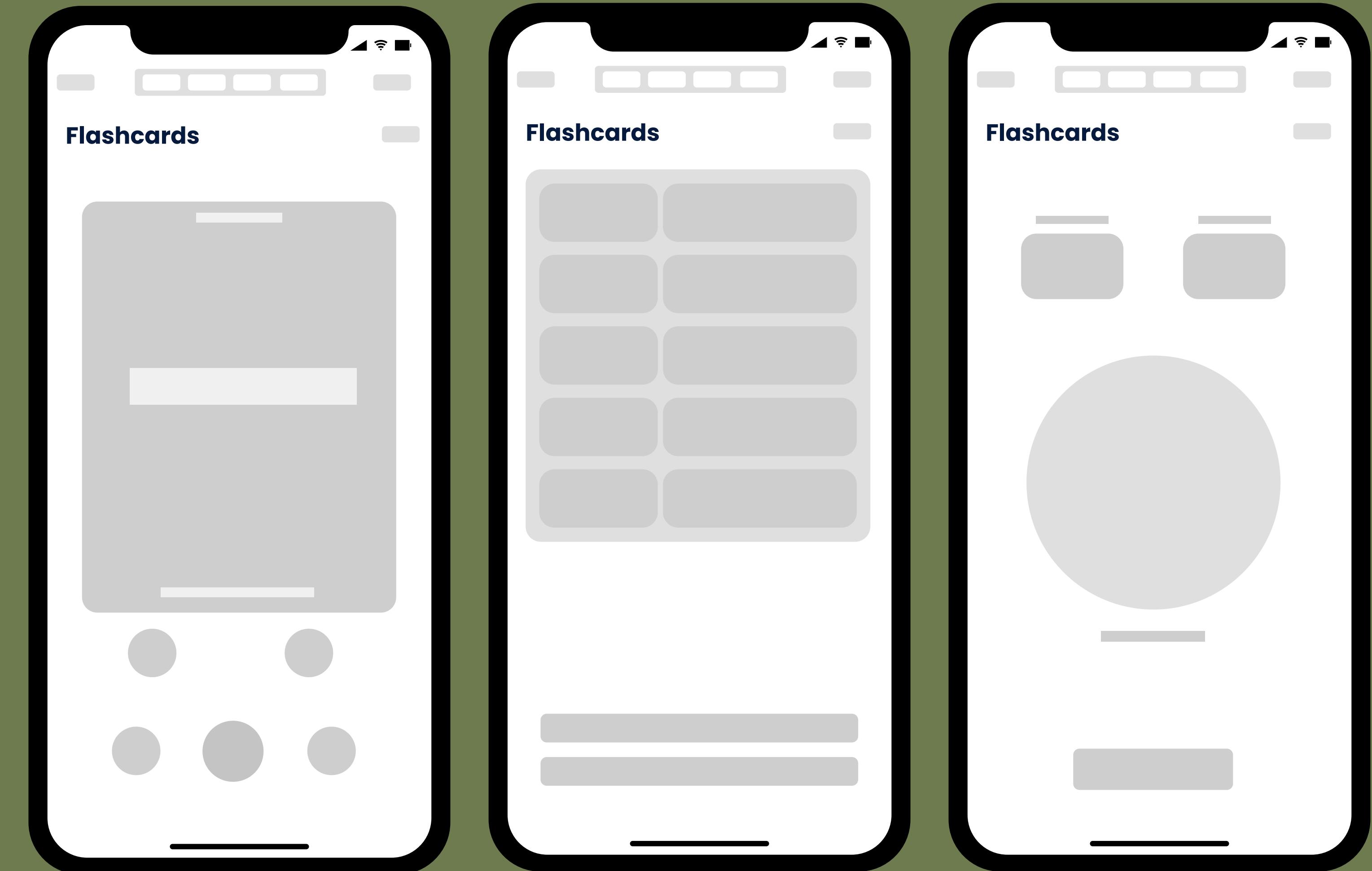
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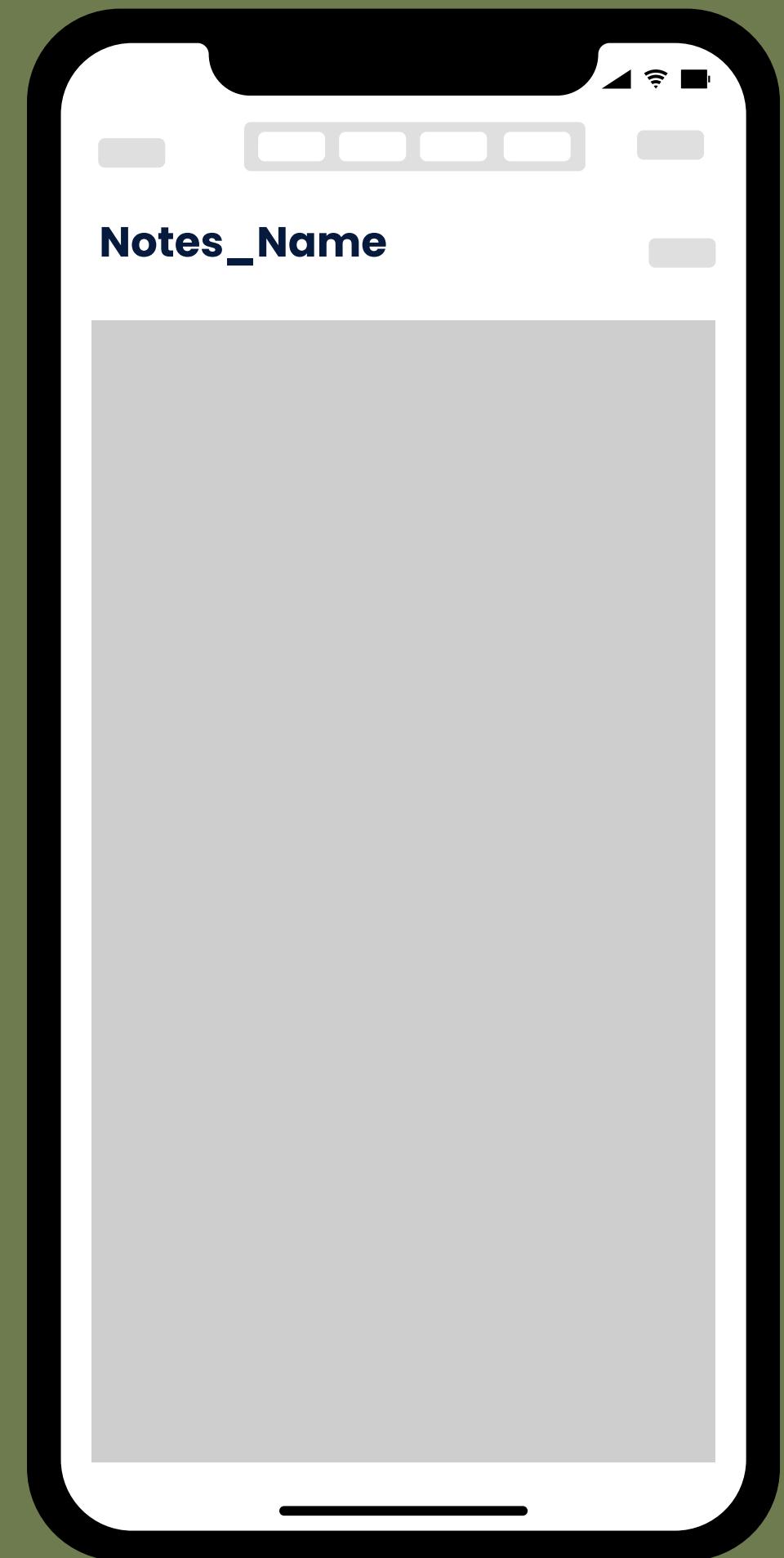
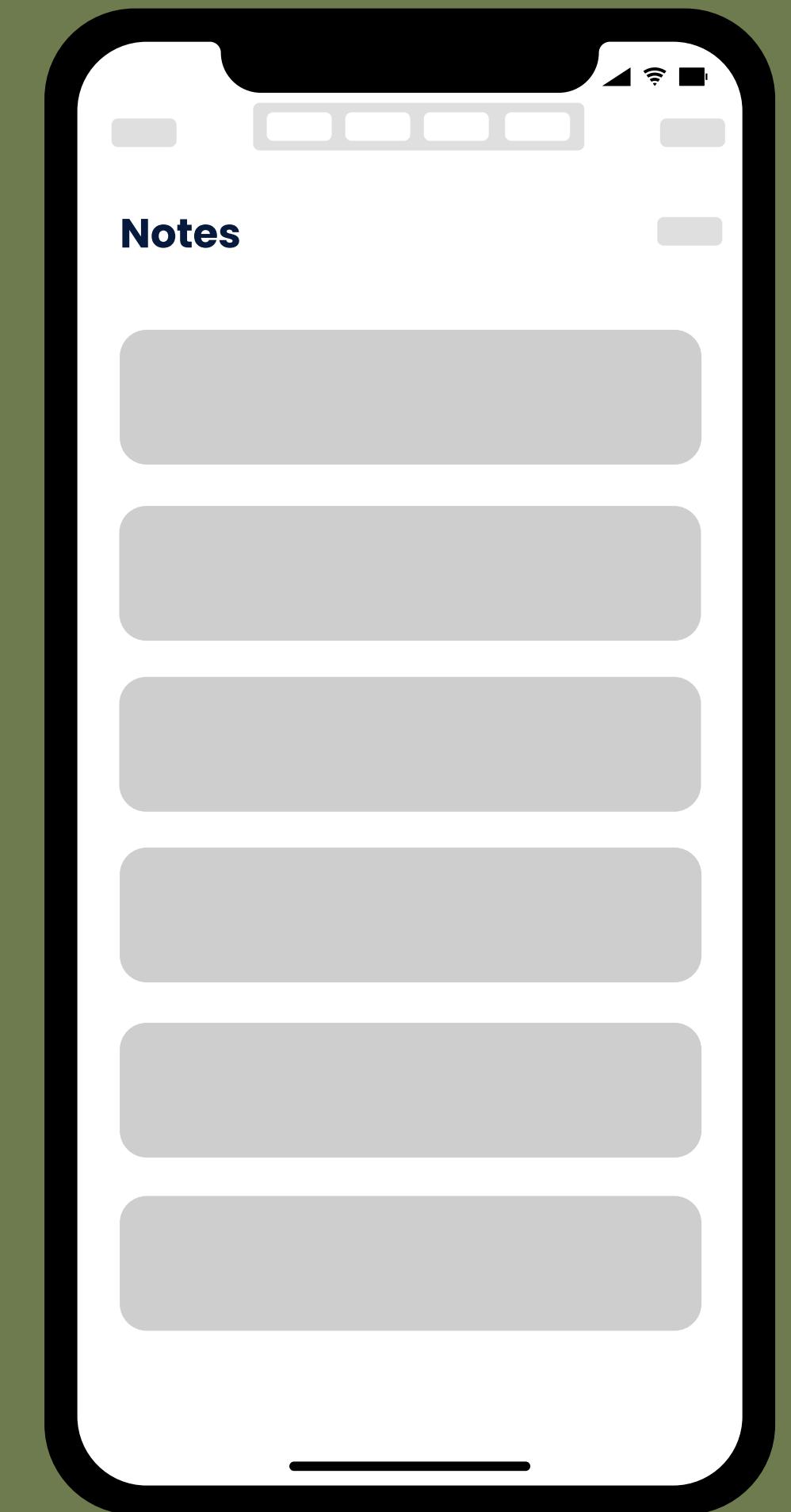
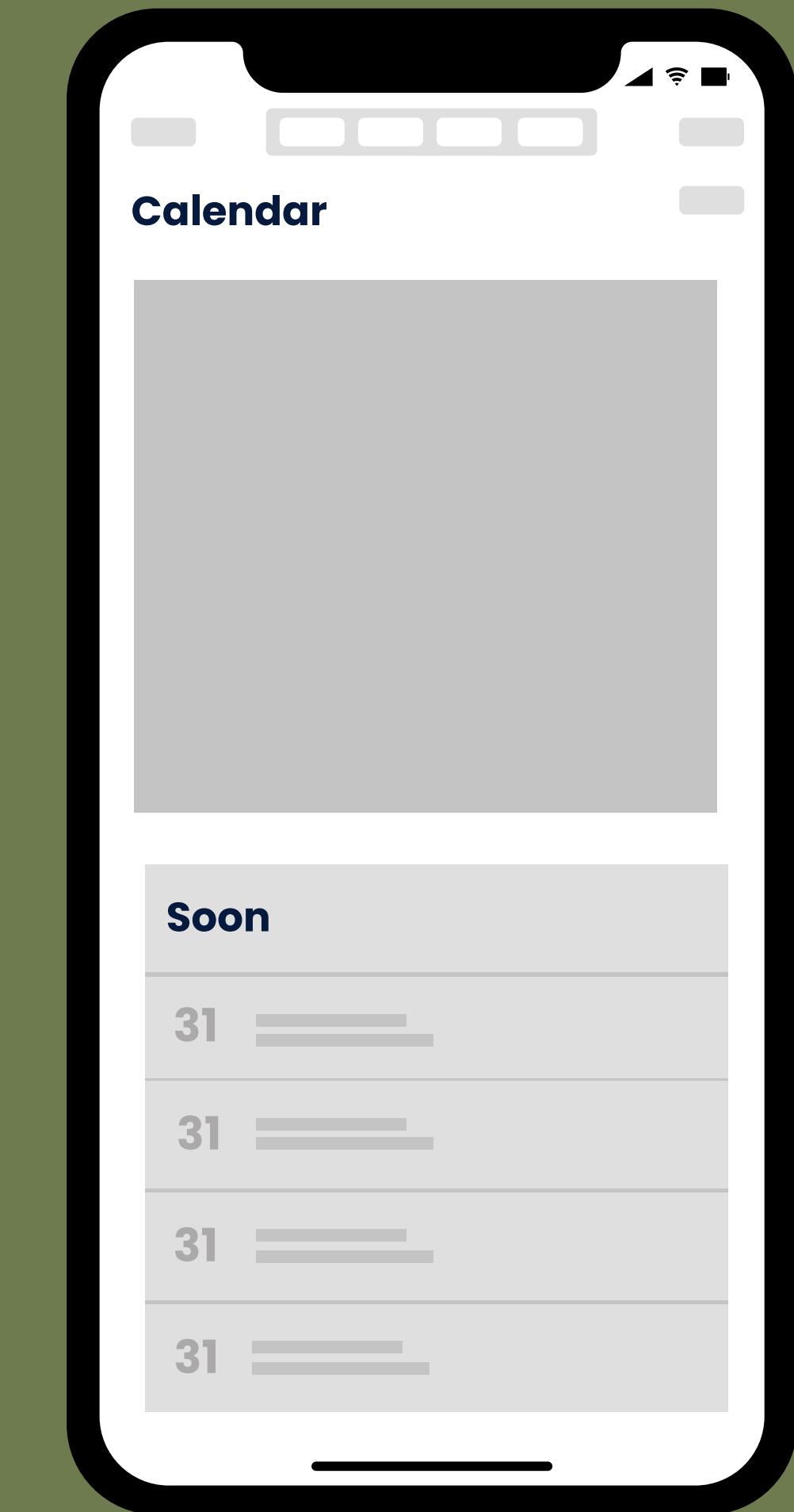
wireframes



wireframes



wireframes



Content Inventory

StreamNote

	A	B	C	D	E	F	G	H
1								
2								
3	ID	Navigation Title	Page Title	URL	Content Type	Keywords	Comments	
4	0	Home Screen						
5								
6	1	Apps						
7								
8	2	StreamNote	StreamNote	StreamNote	Basic Text	Name of Application		
9								
10	3	Log In		Log In	Login Form	Sign in to account		
11	3.2	Facebook		Facebook	Button linked to url		No link to connect accounts	
12	3.3	Gmail		Gmail	Button linked to url		No link to connect accounts	
13								
14	4	Subjects	Subjects	Subjects	Enrolled Subjects	Home Page, location of different subjects		
15	4.1	CIT 205	CIT 205	CIT 205	Text & JPG Button			
16	4.2	CIT 206	CIT 206	CIT 206	Text & JPG Button			
17	4.3	CIT 207	CIT 207	CIT 207	Text & JPG Button			
18	4.4	PE 113	PE 113	PE 113	Text & JPG Button			
19	4.5	HUM 110	HUM 110	HUM 110	Text & JPG Button			
20	4.6	CC 204	CC 204	CC 204	Text & JPG Button			
21	4.7	SS 111	SS 111	SS 111	Text & JPG Button			
22	4.8	SS 112	SS 112	SS 112	Text & JPG Button			
23								
24	5	Settings	Settings	Settings	Basic Page	Settings for the app, contact information of developers, & personal information is here		
25	5.1	Email			Basic Text			
26	5.2	Username			Basic Text			
27	5.3	Add Password			Text Button			
28	5.4	Help Center			Text Button			
29	5.5	Report Bug			Text Button			
30	5.6	Contact Us			Text Button		Email address and contact form	
31	5.7	Rate Us!			Text Button			
32								
33	6	Flashcards	Flashcards	Flashcards	Icon Button	1st Category that allows user that allows user to decide which set of cards to play with		
34	6.1	HCI Quiz		HCI Quiz	Text & JPG Button	Includes flash cards made for HCI Quiz		
35	6.1.1	Questions			Basic Text			
36	6.1.1.1	Flip Answer			Text Button			
37	6.1.1.2	Next Question			Icon Button			
38	6.1.1.3	Favorite			Highlight Icon			
39	6.1.1.4	Edit Question		Edit Question	Icon Button			
40	6.1.1.5	Shuffle			Icon Button			

Content Inventory

41	6.1.2	Score		Score	Basic Text	
42	6.1.2.1	Study Again			Text Button	
43	6.1.2.2	Go Back			Text Button	
44	6.1.2.3	Correct			Basic Text	
45	6.1.2.4	Incorrect			Basic Text	
46						
47	6.2	Art App Quiz	Art App Quiz	Art App Quiz	Text & JPG Button	Includes flash cards made for Art App Quiz
48	6.2.1	Questions			Basic Text	
49	6.2.1.1	Flip Answer			Text Button	
50	6.2.1.2	Next Question			Icon Button	
51	6.2.1.3	Favorite			Highlight Icon	
52	6.2.1.4	Edit Question		Edit Question	Icon Button	
53	6.2.1.5	Shuffle			Icon Button	
54	6.2.2	Score	Score	Score	Basic Text	
55	6.2.2.1	Study Again			Text Button	
56	6.2.2.2	Go Back			Text Button	
57	6.2.2.3	Correct			Basic Text	
58	6.2.2.4	Incorrect			Basic Text	
59						
60	6.3	OOP Quiz	OOP Quiz	OOP Quiz	Text & JPG Button	Includes flash cards made for OOP Quiz
61	6.3.1	Questions			Basic Text	
62	6.3.1.1	Flip Answer			Text Button	
63	6.3.1.2	Next Question			Icon Button	
64	6.3.1.3	Favorite			Highlight Icon	
65	6.3.1.4	Edit Question		Edit Question	Icon Button	
66	6.3.1.5	Shuffle			Icon Button	
67	6.3.2	Score	Score	Score	Basic Text	
68	6.3.2.1	Study Again			Text Button	
69	6.3.2.2	Go Back			Text Button	
70	6.3.2.3	Correct			Basic Text	
71	6.3.2.4	Incorrect			Basic Text	
72						
73	6.4	DSA Quiz	DSA Quiz	DSA Quiz	Text & JPG Button	Includes flash cards made for DSA Quiz
74	6.4.1	Questions			Basic Text	
75	6.4.1.1	Flip Answer			Text Button	
76	6.4.1.2	Next Question			Icon Button	
77	6.4.1.3	Favorite			Highlight Icon	
78	6.4.1.4	Edit Question		Edit Question	Icon Button	
79	6.4.1.5	Shuffle			Icon Button	
80	6.4.2	Score	Score	Score	Basic Text	
81	6.4.2.1	Study Again			Text Button	
82	6.4.2.2	Go Back			Text Button	
83	6.4.2.3	Correct			Basic Text	
84	6.4.2.4	Incorrect			Basic Text	
85						
86	6.5	RE Quiz	RE Quiz	RE Quiz	Text & JPG Button	Includes flash cards made for RE Quiz

Content Inventory

87	6.5.1	Questions			Basic Text		
88	6.5.1.1	Flip Answer			Text Button		
89	6.5.1.2	Next Question			Icon Button		
90	6.5.1.3	Favorite			Highlight Icon		
91	6.5.1.4	Edit Question		Edit Question	Icon Button		
92	6.5.1.5	Shuffle			Icon Button		
93	6.5.2	Score		Score	Basic Text		
94	6.5.2.1	Study Again			Text Button		
95	6.5.2.2	Go Back			Text Button		
96	6.5.2.3	Correct			Basic Text		
97	6.5.2.4	Incorrect			Basic Text		
98							
99	6.6	Ethics Quiz	Ethics Quiz	Ethics Quiz	Text & JPG Button	Includes flash cards made for Ethics Quiz	
100	6.6.1	Questions			Basic Text		
101	6.6.1.1	Flip Answer			Text Button		
102	6.6.1.2	Next Question			Icon Button		
103	6.6.1.3	Favorite			Highlight Icon		
104	6.6.1.4	Edit Question		Edit Question	Icon Button		
105	6.6.1.5	Shuffle			Icon Button		
106	6.6.2	Score		Score	Basic Text		
107	6.6.2.1	Study Again			Text Button		
108	6.6.2.2	Go Back			Text Button		
109	6.6.2.3	Correct			Basic Text		
110	6.6.2.4	Incorrect			Basic Text		
111							
112	7	Calendar	Calendar	Calendar	Icon Button	2nd category displays schedule of when to take on flash card quizzes, and reminders of notes.	
113	7.1	Dates			Highlight Icon		
114	7.2	Soon			Basic Text		
115	7.3	Go Back			Text Button		
116							
117	8	Notes	Notes	Notes	Icon Button	3rd category displays notes made by user	
118	8.1	Requirements for HCI		Requirements for HCI	Text Button		
119	8.1.1	App Requirements			Basic Text		
120	8.1.2	Subject Categories			Basic Text		
121	8.1.3	Library			Basic Text		
122	8.1.4	Documents			Basic Text		
123	8.1.5	Documents/Notes			Basic Text		
124	8.1.6	Flashcards			Basic Text		
125	8.1.7	Calendars			Basic Text		
126	8.1.8	Upcoming activities/quizzes			Basic Text		
127	8.1.9	Edit			Icon Button		
128	8.1.10	Save			Icon Button		
129	8.1.11	Settings			Icon Button		
130	8.1.12	Go back			Text Button		
131							

Content Inventory

InventorY

132	8.2	Coverage for Exam		Coverage for Exam	Text Button	Includes notes for Coverage for Exam		
133	8.2.1	Coverage for OOP Exam:			Basic Text			
134	8.2.2	Unit 1: Introduction			Basic Text			
135	8.2.3	Unit 2: Programming Environment			Basic Text			
136	8.2.4	Unit 3: Control Structures			Basic Text			
137	8.2.5	Unit 4: Array			Basic Text			
138	8.2.6	Unit 5: Inheritance			Basic Text			
139	8.2.7	Edit			Icon Button			
140	8.2.8	Save			Icon Button			
141	8.2.9	Settings			Icon Button			
142	8.2.10	Go back			Text Button			
143								
144	8.3	Pointers for Art App		Pointers for Art App	Basic Text	Includes notes for Pointers for Art App		
145	8.3.1	Coverage:			Basic Text			
146	8.3.2	Humanities and Art			Basic Text			
147	8.3.3	Pagkatao			Basic Text			
148	8.3.4	Art Appreciation			Basic Text			
149	8.3.5	Perception of Reality			Basic Text			
150	8.3.6	Aesthetics			Basic Text			
151	8.3.7	Art and Philosophy			Basic Text			
152	8.3.8	Edit			Icon Button			
153	8.3.8	Save			Icon Button			
154	8.3.9	Settings			Icon Button			
155	8.3.10	Go back			Text Button			
156								
157	8.4	PE Advocacy		PE Advocacy	Text Button	Includes notes for Pointers for PE Advocacy		
158	8.4.1	Guidelines:			Basic Text			
159	8.4.2	Cover Page			Basic Text			
160	8.4.3	Introduction			Basic Text			
161	8.4.4	Formulated & Created Advocacy			Basic Text			
162	8.4.5	References			Basic Text			
163	8.4.6	Proof of implementation			Basic Text			
164	8.4.7	Edit			Icon Button			
165	8.4.8	Save			Icon Button			
166	8.4.9	Settings			Icon Button			
167	8.4.10	Go back			Text Button			
168								
169	8.5	Website Descriptions		Website Descriptions	Text Button	Includes notes for Pointers for Website Descriptions		
170	8.5.1	Content:			Basic Text			
171	8.5.2	CSS			Basic Text			
172	8.5.3	JavaScript			Basic Text			
173	8.5.4	Functional Buttons			Basic Text			
174	8.5.5	Responsive framework			Basic Text			
175	8.5.6	Comprehensive plugins			Basic Text			
176	8.5.7	Edit			Icon Button			
177	8.5.8	Save			Icon Button			

Content Inventory

178	8.5.9	Settings			Icon Button		
179	8.5.10	Go back			Text Button		
180							
181	8.6	List of Reporting		List Reporting	Text Button	Includes notes for Pointers for List of Reporting	
182	8.6.1	Data Structures:			Basic Text		
183	8.6.2	Selection Sort			Basic Text		
184	8.6.2	Bubble Sort			Basic Text		
185	8.6.3	Insertion Sort			Basic Text		
186	8.6.4	Merge Sort			Basic Text		
187	8.6.5	Heap Sort			Basic Text		
188	8.6.6	Quick Sort			Basic Text		
189	8.6.7	Counting Sort			Basic Text		
190	8.6.8	Edit			Icon Button		
191	8.6.9	Save			Icon Button		
192	8.6.10	Settings			Icon Button		
193	8.6.11	Go back			Text Button		

Prototype



developers.

ALLONES. BEARNEZA. MALIC. OSUYOS. OCCENO. SORNITO. VELEZ

