TRƯỜNG ĐẠI HỌC FPT

CAPSTONE PROJECT REPORT

Report 3 – Software Requirement Specification

– Danang, August 2022 –

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I. Record of Changes

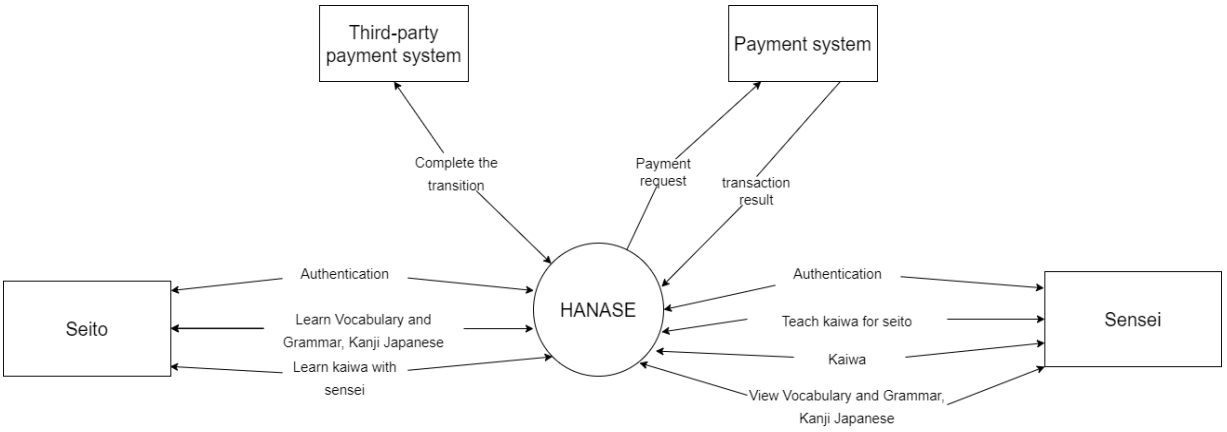
Date	A* M, D	In charge	Change Description
13/05	A	Tạ Hoàng Anh Tuấn	Create the first document
12/08	M	Trương Quốc Tân	Modified the document

*A - Added M - Modified D - Deleted

II. Software Requirement Specification

1. Product Overview

Hanase is an intermediary web application that helps people who need to learn and teach in the field of Japanese to connect with each other in the most effective way. It facilitates users with teaching skills to easily access and connect with other users who need to be taught. Besides, Hanase's strengths include intuitive and easy-to-use theory sets and topics. In addition, the website also offers a paid service to practise speaking skills with registered instructors on the web. Admin or website owner can manage transaction types, control registrations for role changes and at the same time have more control over the revenue that the web collects.



Watch Full Diagram. Here

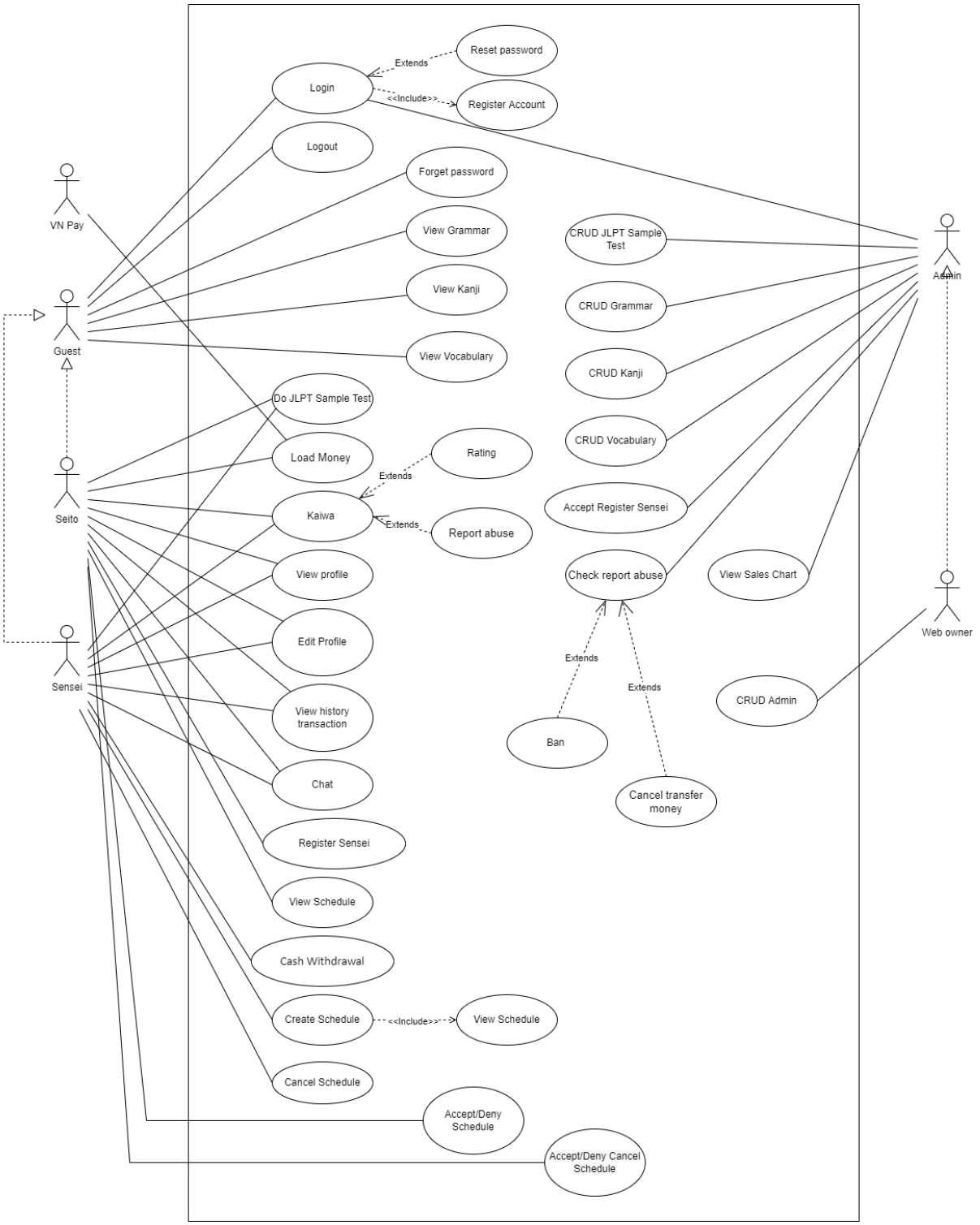
2. User Requirements

2.1 Actors

#	Actor	Description
1	Admin	User created by web owner, has the same functions as web owner
2	Web-owner	User log into the system with the management function to approve requests that other users request
3	Seito	Users logged into the Hanase system to use the ikaiwa function and do the JLPT test.
4	Sensei	User logged into the Hanase system, registered to become sensei, could teach kaiwa on the system.
5	Guest	User do not log into the system and can only use the functions for guests

2.2 Use Cases

2.2.1 Diagram(s)



Watch Full Diagram. [Here]

2.2.2 Descriptions

ID	Use Case	Actors	Use Case Description
UC-01	Login	Seito, Sensei, Admin, Web-owner, Guest	When actors login of systems
UC-02	Logout	Seito, Sensei, Admin, Web-owner, Guest	When actors logout of systems
UC-03	Register Account	Guest	When actor want to become a sensei
UC-04	Reset password	Seito, Sensei, Admin, Web-owner, Guest	When actors want change password
UC-05	Forget password	Seito, Sensei, Admin, Web-owner	When actors don't remember password and want change password
UC-06	View Grammar	Seito, Sensei, Guest	When actors want to view grammar
UC-07	View Kanji	Seito, Sensei, Guest	When actors want to view kanji
UC-08	View Vocabulary	Seito, Sensei, Guest	When actors want to view vocabulary
UC-09	View Profile	Seito, Sensei	When actors want to view their profile
UC-10	Edit Profile	Seito, Sensei	When actors want to update their information
UC-11	Do JLPT sample test	Seito, Sensei	When actors want to do JLPT sample test
UC-12	Load Money	Seito	When actors want to recharge into the systems
UC-13	Cash Withdrawal	Sensei	When actors want to withdraw from the systems
UC-14	View History Transaction	Seito, Sensei	When actors want to recheck action withdraw or recharge into the systems
UC-15	Register Sensei	Seito	When actor want to become Sensei
UC-16	Kaiwa	Seito, Sensei	When actors want to join conversation
UC-17	Chat	Seito, Sensei	When Sento texts to Sensei for booking kaiwa
UC-18	Report Abuse	Seito, Sensei	When actors have problems and want

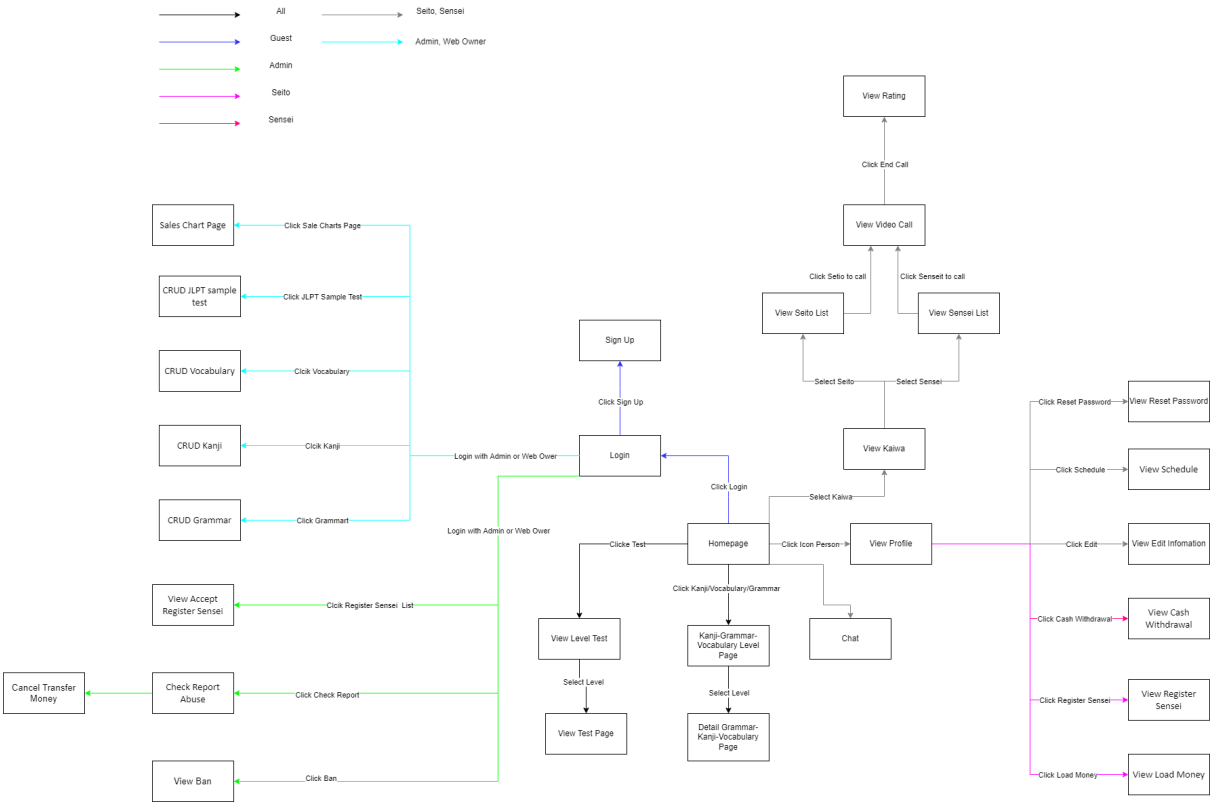
ID	Use Case	Actors	Use Case Description
			to complain about this
UC-19	Rating	Seito, Sensei	When actors finish using kaiwa function, they are able to rate their partner
UC-20	Create Schedule	Sensei	When actor want to create kaiwa learning calendar
UC-21	View Schedule	Seito, Sensei	When actors want to review the kaiwa calendar which has been created
UC-22	CRUD Kanji	Admin, Web-owner	When actors want to create, update, delete or view Kanji
UC-23	CRUD Gramma	Admin, Web-owner	When actors want to create, update, delete or view Gramma
UC-24	CRUD Vocabulary	Admin, Web-owner	When actors want to create, update, delete or view Vocabulary
UC-25	CRUD JLPT sample test	Admin, Web-owner	When actors want to create, update, delete or view JLPT sample test
UC-26	View Sales Chart	Admin, Web-owner	When the actor wants to see the revenue income from the system
UC-27	Accept Register Sensei	Admin, Web-owner	When the actor accept seito's requests to become sensei
UC-28	Check record abuse	Admin, Web-owner	When actors check user complaint reports
UC-29	Ban	Admin, Web-owner	When the actor accepts 3 reports about a user

ID	Use Case	Actors	Use Case Description
UC-30	Cancel Transfer Money	Admin, Web-owner	When the actor accepts the report as the offending user while kaiwa
UC-31	CRUD Admin	Web-owner	When actors want to create, update, delete or view Admin
UC-32	Cancel Schedule	Sensei	When actors wants to cancel the class schedule created on the system
UC-33	Accept/Deny Schedule	Seito	When a class schedule is created by another actor (as Sensei) and needs actor's approval/decline (as Seito)
UC-34	Accept/Deny Cancel Schedule	Seito	When a class schedule is canceled by another actor (as Sensei) and needs actor's approval/decline (as Seito)

3. Functional Requirements

3.1 System Functional Overview

3.1.1 Screens Flow



Watch Full Screen Flow Diagram. [Here]

3.1.2 Screen Descriptions

#	Feature	Screen	Description
1	Login	Login	User login to Ikaiwa system through the Login button at the Homepage
2	Register	Register	User register to Ikaiwa thông qua nút “Register” tại Homepage
3	Reset password	View Detail Profile	User will change his password in view profile
4	View Grammar	View Detail Grammar	User have been can see the grammars in the details section
5	View Kanji	View Detail Kanji	User have been can see the Kanji in the details section
6	View profile	View Detail Profile	Users who have logged in can see their information in the details profile
7	View teaching schedule	View Schedule	Sensei, when logged in, can see their teaching schedule
8	View Sale Chart	View Detail Revenue	The total amount with the amount that the web owner actually received
9	Do JLPT sample test	JLPT Sample Test	Seito/Sensei can do some quizzes available on the system

#	Feature	Screen	Description
10	Load money into your account	View Detail Profile	Seito wants to pay (in the Hanase system) to pay the Ikaiwa fee with sensei
11	Cash withdrawal	View Detail Sensei	Sensei wants to withdraw money from iKaiwa system
12	Kaiwa	View Video Call	Seito wants to kaiwa with another seito through the same feature as sensei-seito but without paying
13	Report abuse	View Report	Seito and Sensei want to report a violation of the rules of the Ikaiwa system
14	Rating	View Rating	Sensei / Seito want to rate each other after a lesson ends (on a 5-star scale)
15	Check report	View DetailAdminUserInformation	Sensei/Seito wants to check user-submitted violation reports
16	Cancel transfer money	View Transfer Money	Web owner / Admin wants to cancel money transfer to Sensei for violation / refund Seito.
17	Ban	View Ban-checkRecord	Web owner / Admin wants to ban Sensei for violation
17	Transfer money	View Transfer Money	Web owner/Admin want to transfer money
18	Chat	View Chat	Sensei/Seito can chat together
19	CRUD Kanji	View CRUD Kanji	Admin/Web Owner can add, edit, delete, update Kanji
20	CRUD Admin	View CRUD Admin	Admin/Web Owner can add, edit, delete, update Admin
21	CRUD Test	View CRUD Test	Admin/Web Owner can add, edit, delete, update Test
22	CRUD Grammar	View CRUD Grammar	Admin/Web Owner can add, edit, delete, update Grammar
23	CRUD Vocabulary	View CRUD Vocabulary	Admin/Web Owner can add, edit, delete, update Vocabulary
24	Do test	View Test	Sensei/Seito can do some Exam Test
25	Register sensei	View Register Sensei	Seito want to become Sensei need to register to IKaiwa system
26	Register teaching schedule	View Register Schedule	Sensei registers for teaching schedule
27	View Vocabulary	View Detail Vocabulary	User have been can see the Vocabulary in the details section

3.1.3 Screen Authorization

Screen	Seito	Sensei	Admin	Web owner	Guest
<<Home page>>	X	X			X

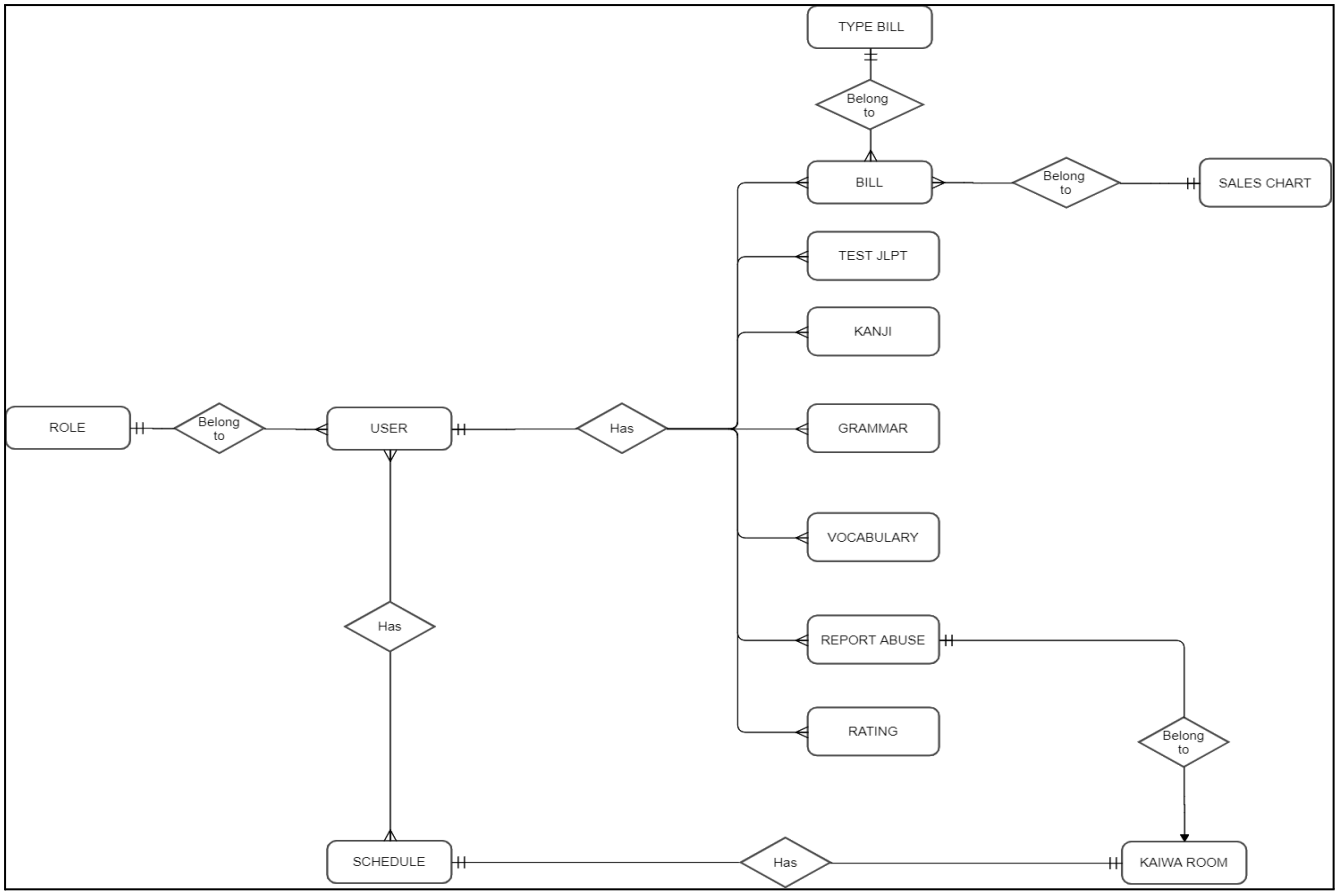
Screen	Seito	Sensei	Admin	Web owner	Guest
View Gramma	X	X			X
View Kanji	X	X			X
View Vocabulary	X	X			X
Kaiwa	X	X			
Do JLPT Test	X	X			
<<Login/ Register page>>	X	X	X	X	X
Login	X	X	X	X	X
Register	X	X	X	X	X
Login by Email, Facebook	X	X	X	X	X
<<Seito Profile page>>	X	X	X	X	
View seito detail	X				
View Schedule	X				
View Bill list	X				
Load money into account	X				
Edit seito detail	X				
<<Sensei Profile page>>		X			
View sensei detail		X			
Create Schedule		X			
View Bill list		X			
Cash withdrawal		X			
Edit sensei detail		X			
<<Register sensei page>>	X				
Register sensei	X				
<<Choose type of kaiwa page>>	X	X			
Choose type of kaiwa	X	X			
<<Choose seito page>>	X	X			
View list seito	X	X			
<<Choose sensei page>>	X	X			
View list sensei	X	X			
<<Kaiwa page>>	X	X			
Kaiwa	X	X			
Report abuse	X	X			
Rating	X	X			
<<Manage page>>			X	X	
Create Grammar			X	X	
View Grammar			X	X	
Update Grammar			X	X	
Delete Grammar			X	X	
Create Vocabulary			X	X	
View Vocabulary			X	X	
Update Vocabulary			X	X	
Delete Vocabulary			X	X	
Create Kanji			X	X	

Screen	Seito	Sensei	Admin	Web owner	Guest
View Kanji			X	X	
Update Kanji			X	X	
Delete Kanji			X	X	
View list report abuse			X	X	
Check record			X	X	
Accept report abuse			X	X	
Delete report abuse			X	X	
Edit report abuse status			X	X	
View list cash withdrawal request			X	X	
Accept cash withdrawal request			X	X	
View list sensei register request			X	X	
Accept sensei register request			X	X	
Delete sensei register request			X	X	
View sales chart				X	
Create admin				X	
View information admin				X	
Update information admin				X	
Delete admin				X	

3.1.4 Non-Screen Functions

#	Feature	System Function	Description
1	Ban	Auto Ban	Auto ban when reported three times
2	Cancel transfer money	Cancel transfer money	Auto cancel transferring money when sensei is reported

3.1.5 Entity Relationship Diagram



Watch Full Diagram. Here

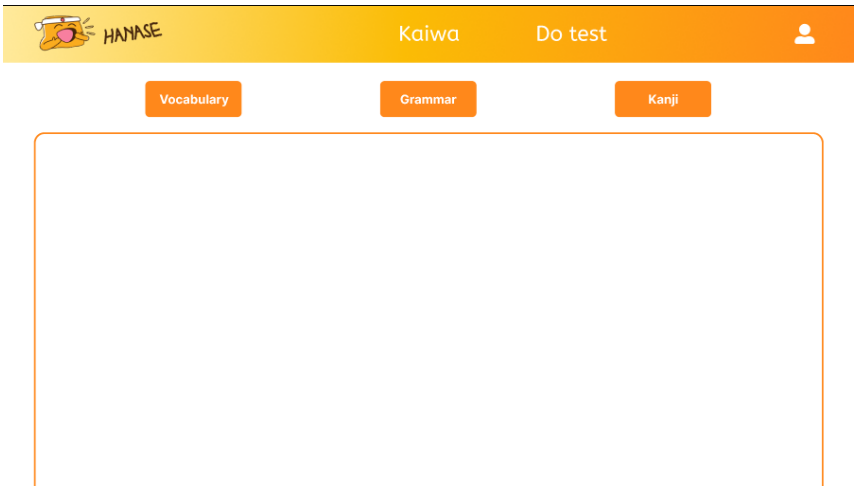
Entities Description

#	Entity	Description
1	Role	Contains role information, which indicates which permission user can perform
2	User	Contains user information
3	Schedule	Contains information about teaching and learning schedules
4	Kaiwa room	Contains information about online kaiwa rooms
5	Test JLPT	Contains test JLPT questions
6	Kanji	Contains kanji words by level
7	Vocabulary	Contains vocabulary by level
8	Grammar	Contains grammar by level
9	Report abuse	Contains report abuse from user
10	Rating	Contains rating from user
11	Bill	Contains cost information after payment

3.2 Guest

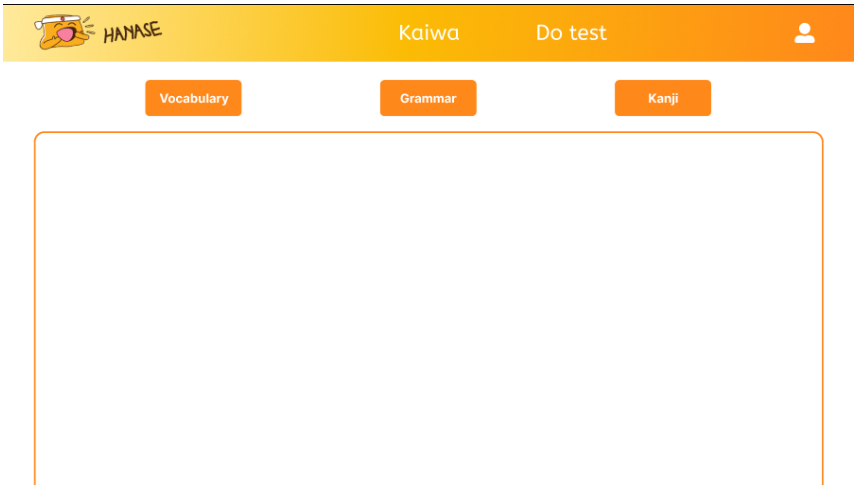
3.2.1 View Vocabulary

UC ID and Name:	**UC-01 View list Vocabulary as Guest**

Primary Actor:	Guest	Primary Actor:	Hanase
Description:	Guest want to view vocabulary		
Trigger:	Guest click button “Vocabulary”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Guest clicks on the “Vocabulary” button on the homepage 2. The display screen returns the vocabulary screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		
Frequency	Guest want to view vocabulary		
Business Rules	BR-05		
Mockup	View Vocabulary List:  		

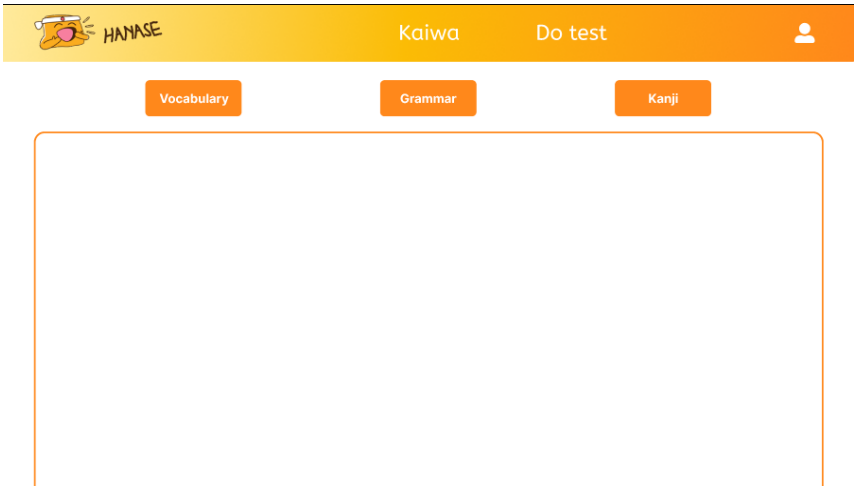
3.2.2 View Grammar

UC ID and Name:	**UC-02 View list Grammar as Guest**		
Primary Actor:	Guest	Primary Actor:	Hanase
Description:	Guest want to view grammar		
Trigger:	Guest click button “Grammar”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Guest clicks on the “Grammar” button on the homepage 2. The display screen returns the vocabulary screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		
Frequency	Guest want to view grammar		
Business Rules	BR-05		
Mockup	View Grammar List:		

3.2.3 View Kanji

UC ID and Name:	**UC-03 View list Kanji as Guest**		
Primary Actor:	Guest	Primary Actor:	Hanase
Description:	Guest want to view Kanji		
Trigger:	Guest click button “Kanji”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Guest clicks on the “Kanji” button on the homepage 2. The display screen returns the Kanji screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		

Frequency	Guest want to view Kanji
Business Rules	BR-05
Mockup	View Kanji List: 

3.2.4 Register

UC ID and Name:	**UC-04 Register Basic Account(with role Seito)**		
Primary Actor:	Guest	Secondary Actors:	Hanase
Description:	Users register to the Hanase system through the "Register" button on the homepage		
Trigger:	User clicks "Register" button		
Preconditions:	None		
Postconditions:	None		

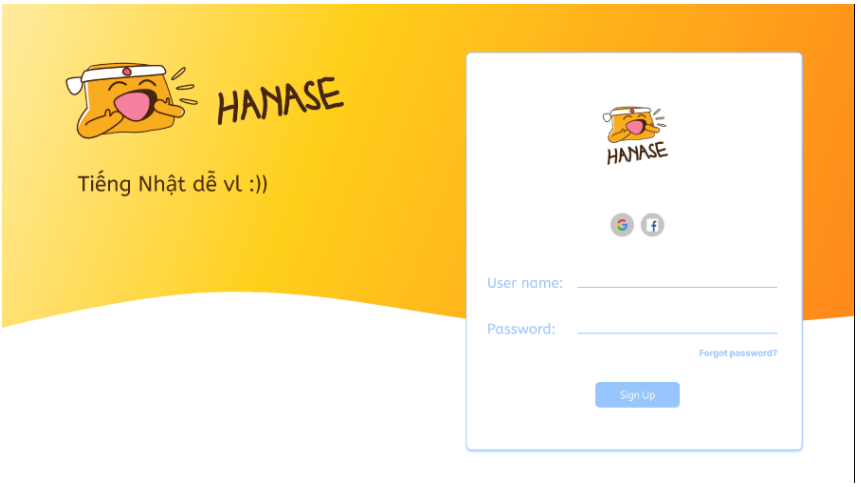
Normal Flow:	1. Guest visits Hanase's original homepage 2. Guest clicks on “Register” button and Hanase returns the information filling page 3. Guest fills in username, password and re-confirms password 4. The system stores information about the database
Exceptions	None
Priority	High
Frequency	Guest want to register in Hanase system
Business Rules	BR-07 BR-11
Mockup	

3.3 Seito

3.3.1 Login

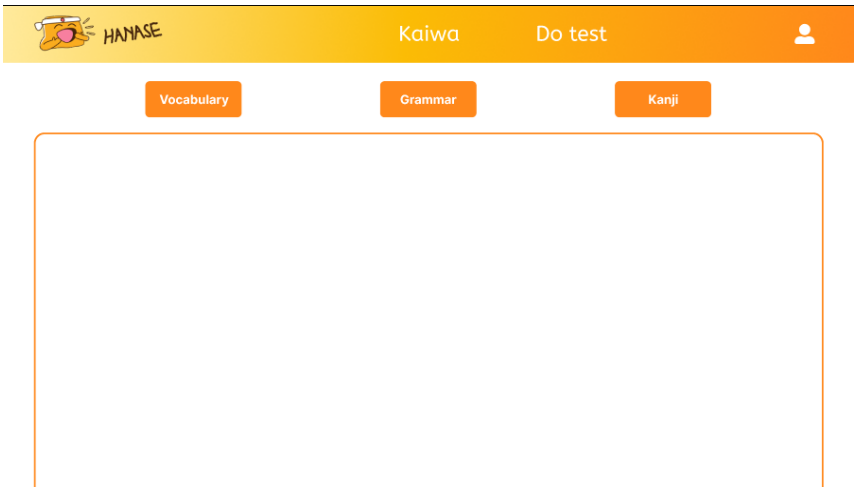
UC ID and Name:	**UC-05 Seito login Hanase**		
Primary Actor:	Seito	Secondary Actors:	Hanase

Description:	As a Guest, he/she will click on the login button to go to the login page or it will automatically ask him/her to login when he/she clicks to use the services .
Trigger:	Seito want to login Hanase System
Preconditions:	None
Postconditions:	None
Normal Flow:	1. User visits Hanase's original homepage 2. User clicks “Login” button and Hanase returns the information filling page 3. User fills in username and password 4. The system checks the username and password entered in the database. 5. The system returns the home page display corresponding to each role of the registered account.
Exceptions	Wrong username or password
Priority	High
Frequency	Seito want to login Hanase System
Business Rules	None

Mockup	

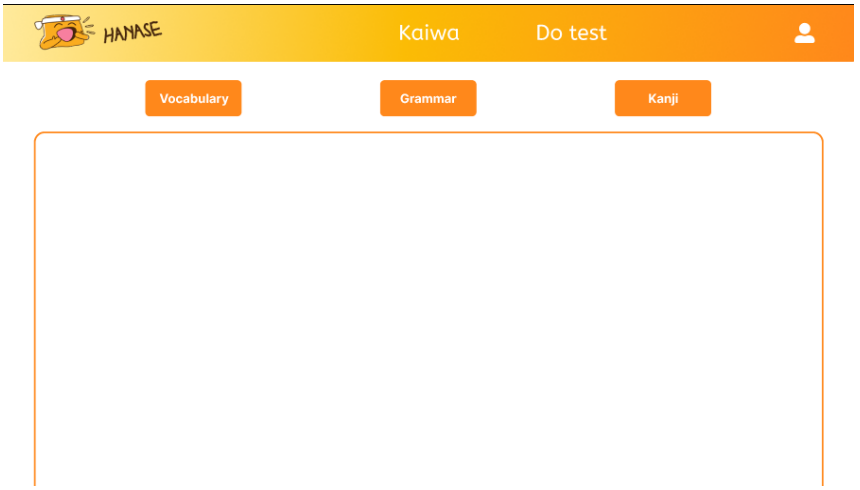
3.3.2 View Vocabulary

UC ID and Name:	**UC-06 View list Grammar as Seito**		
Primary Actor:	Seito	Primary Actor:	Hanase
Description:	Seito want to view vocabulary		
Trigger:	Seito click button “Vocabulary”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Seito clicks on the “Vocabulary” button on the homepage 2. The display screen returns the vocabulary screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		
Frequency	Seito want to view vocabulary		

Business Rules	None
Mockup	View Vocabulary List: 

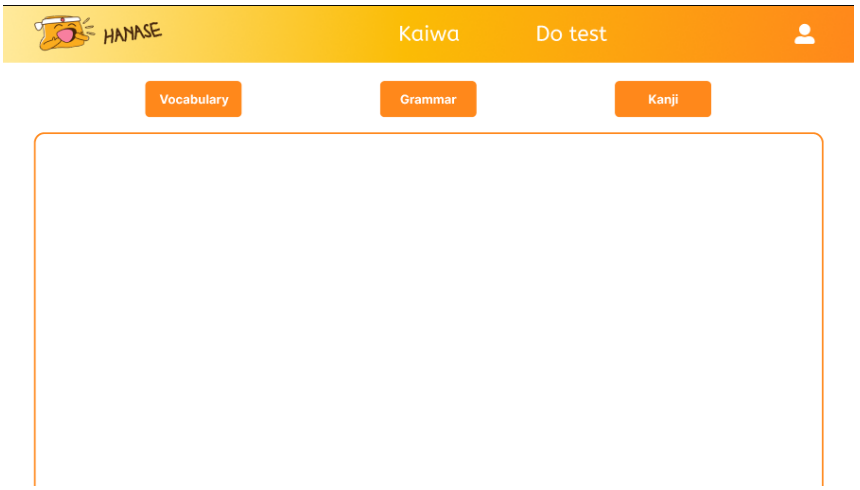
3.3.3 View Grammar

UC ID and Name:	**UC-07 View list Grammar as Seito**		
Primary Actor:	Seito	Primary Actor:	Hanase
Description:	Seito want to view grammar		
Trigger:	Seito click button “Grammar”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1. Seito clicks on the “Grammar” button on the homepage 2. The display screen returns the grammar screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		

Priority	High
Frequency	Seito want to view grammar
Business Rules	None
Mockup	View Grammar List: 

3.3.4 View Kanji

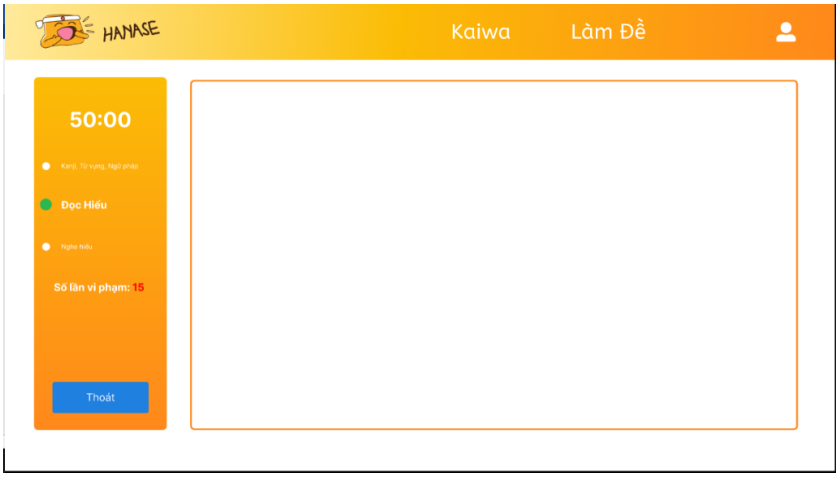
UC ID and Name:	**UC-08 View list Kanji as Seito**		
Primary Actor:	Seito	Primary Actor:	Hanase
Description:	Seito want to view kanji		
Trigger:	Seito clicks “Kanji” button		
Preconditions:	None		
Postconditions:	None		

Normal Flow:	1.Seito clicks on the “Kanji” button on the homepage 2. The display screen returns the kanji screen (the list is in the form of a drop-down menu and is divided into 3 levels)
Exceptions	None
Priority	High
Frequency	Seito want to view kanji
Business Rules	None
Mockup	View Kanji List: 

3.3.5 Do-JLPT-Test

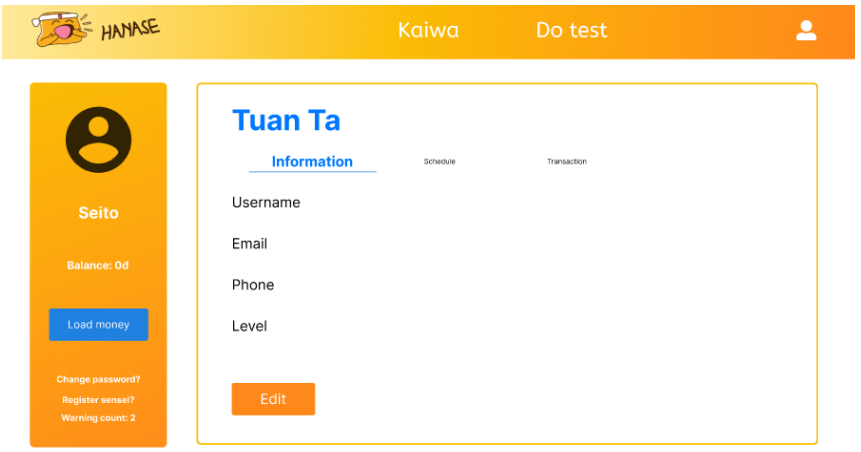
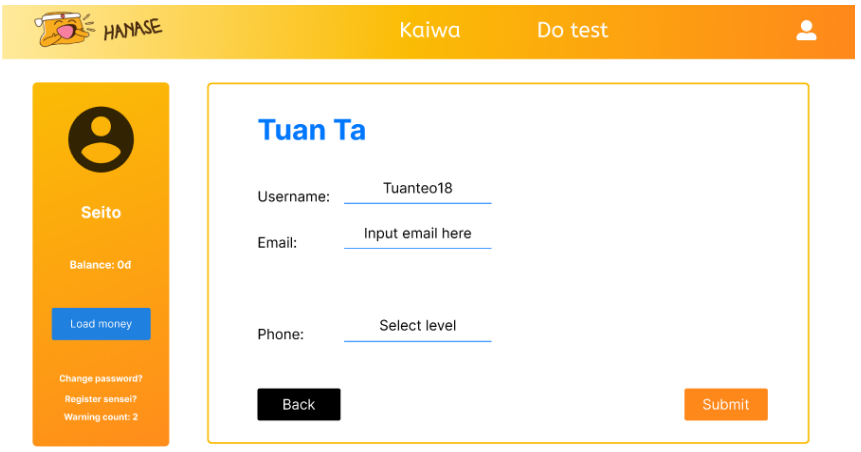
UC ID and Name:	**UC-09 Do-JLPT-Test as Seito**		
Primary Actor:	Seito	Primary Actor:	Hanase
Description:	Seito want to do JLPT Test		

Trigger:	Seito click “Do JLPT Test” button and select level they want
Preconditions:	Seito is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Seito at the website clicks “Do JLPT Test” button 2.The display screen returns the level table screen for the user to select 3. The system compares and checks the test information according to the level that Seito has selected in the database. 4. The system returns a screen displaying all questions and typing/selecting answers form. 5. Seito does the test and the system will automatically submit it when the time is up.
Exceptions	None
Priority	High
Frequency	Seito want to do JLPT Test
Business Rules	

Mockup	

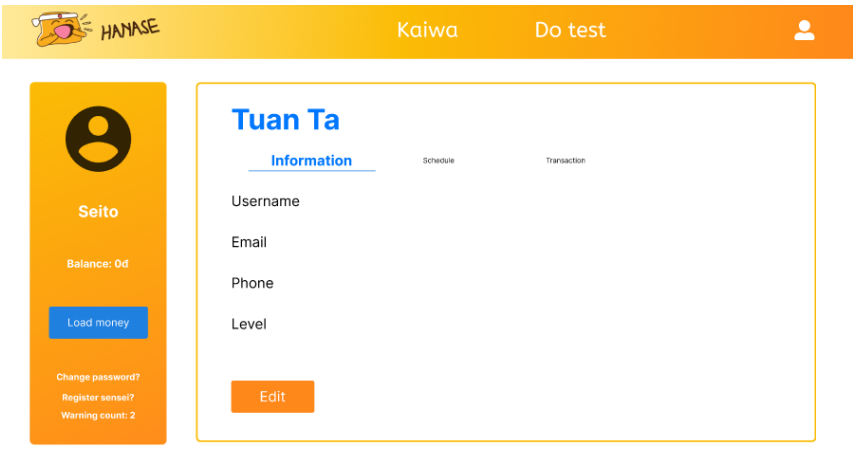
3.3.6 Edit Profile

UC ID and Name:	**UC-10 Edit profile as Seito**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito change personal information in the Hanase system		
Trigger:	Seito access the information editing page by clicking on the avatar icon at the logged in home page		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. User clicks on the avatar icon at the logged in home page 2.The screen returns to the personal information editing screen. 3. Users change the information they want 4. The system compares, checks, and overwrites new information in the database 5. The system returns the successful result screen.		
Exceptions	None		

Priority	High
Frequency	Seito change personal information in the Hanase system
Business Rules	None
Mockup	 

3.3.7 Load Money

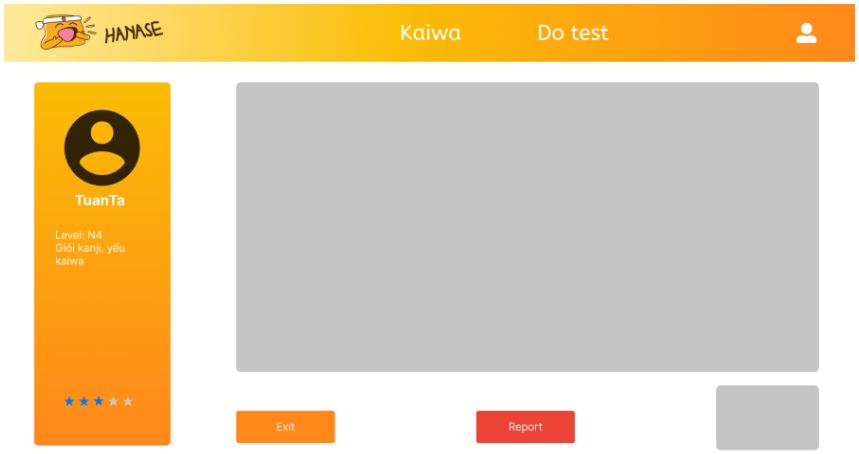
UC ID and Name:	**UC-11 Load Money**		
Primary Actor:	Seito, Hanase	Secondary Actors:	VNpay
Description:	Seito wants to top up Hanase system to pay kaiwa fee with sensei		

Trigger:	Seito clicks the "Load Money" button at the edit profile page
Preconditions:	Seito is logged in to Hanase
Postconditions:	The money is successfully transferred to the system (through the intermediary service - VNpay)
Normal Flow:	1. User clicks on the avatar icon at the logged in home page 2.The screen returns to the personal information editing screen. 3. Seito presses the “Load Money” button and Hanase system jumps to the payment page associated with VN-pay
Exceptions	None
Priority	High
Frequency	Seito wants to top up his account on Hanase system
Business Rules	None
Mockup	

3.3.8 Rating

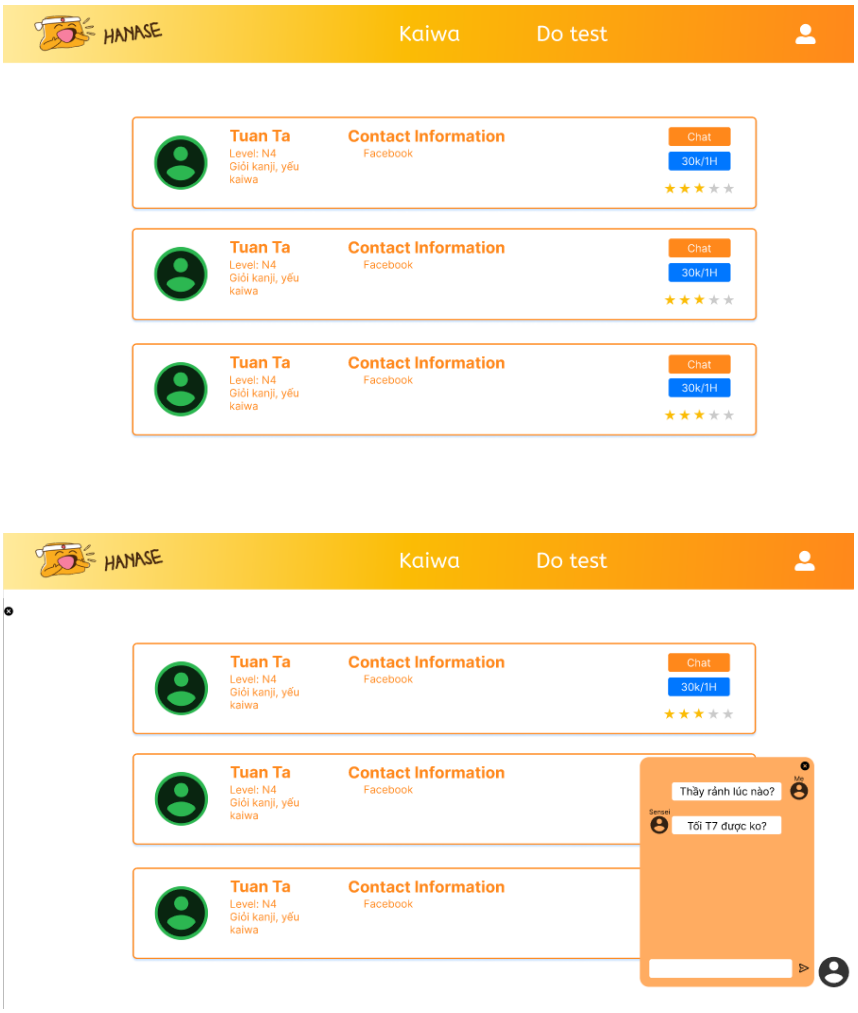
UC ID and Name:	**UC-12 Rating as Seito**

Created By:		Date Created:	
Primary Actor:	Seito, Hanase	Secondary Actors:	Sensei, Seito
Description:	Seito wants to rate Seito/Sensei on a 5-star scale after finishing the kaiwa lesson between the two of them		
Trigger:	Seito wants to rate Seito/Sensei by choosing the number of stars on a 5-star scale		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito rate another successfully after Kaiwa is end		
Normal Flow:	1. Seito is preparing to exit/report a kaiwa lesson. 2. Seito choose the number of stars they want to rate at the bottom of their avatar 3. Seito exits/reports via Exit button or Report button		
Exceptions	None		
Priority	High		
Frequency	Seito wants to rate Seito/Sensei by choosing the number of stars on a 5-star scale on Hanase system via Kaiwa page		
Business Rules	None		

Mockup	

3.3.9 Chat

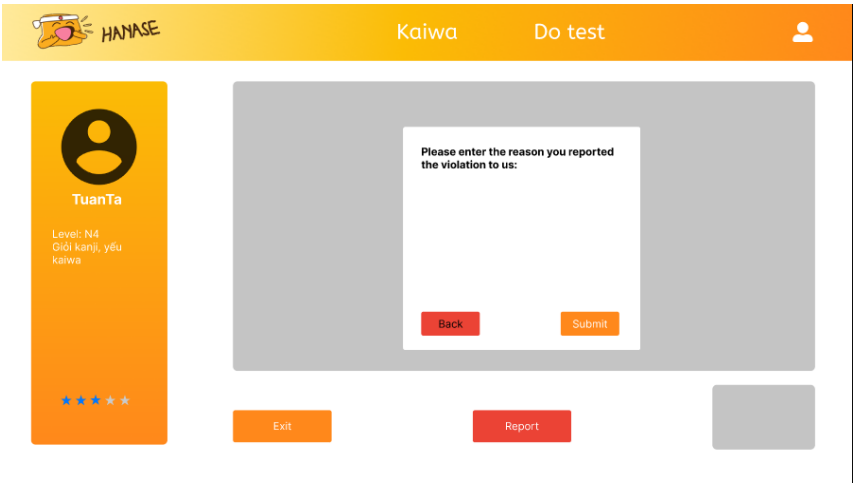
UC ID and Name:	**UC-13 Chat**		
Primary Actor:	Seito, Hanase	Secondary Actors:	Sensei, Seito
Description:	Seito wants to contact Sensei to set up a Kaiwa class schedule		
Trigger:	Seito wants to contact Sensei to set up a Kaiwa class schedule		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Seito accesses the "Kaiwa" button and the return screen selects the object that Seito wants to practice Kaiwa with 2. Seito selects "Sensei" so that the system returns a list of Sensei who teach kaiwa. 3. Seito selects the "Chat" button next to any Sensei and the system returns a pop-up chat between the two.		
Exceptions	None		

Priority	High
Frequency	Seito wants to contact Sensei to set up a Kaiwa class schedule
Business Rules	None
Mockup	

3.3.10 Report Abuse

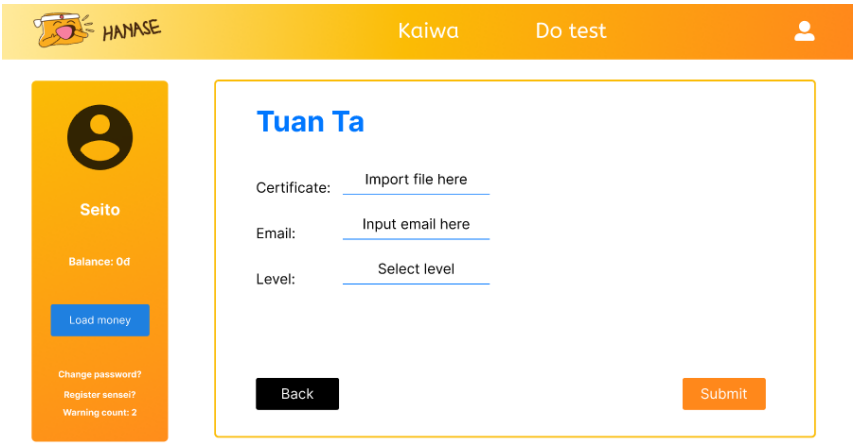
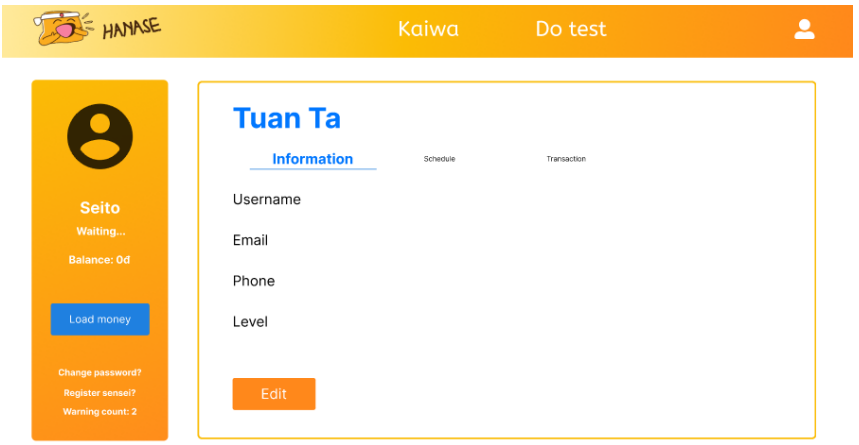
UC ID and Name:	**UC-14 Report as Seito**		
Primary Actor:	Seito, Hanase	Secondary Actors:	Sensei, Seito

Description:	Seito wants to report Seito / Sensei on a 5-star scale and through the form fill in the reason for the report after finishing the kaiwa lesson between the two of them.
Trigger:	Seito wants to report Seito/Sensei by choosing the number of stars on a 5-star scale and filling the reason form
Preconditions:	Seito is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Seito is preparing to exit/report a kaiwa lesson. 2. Seito chooses the number of stars they want to rate at the bottom of their profile picture 3. Seito selects the Report button 4. Hanase system pop-up 1 form to fill in the reason for the report 5. Submit button will save the report form to the Admin/Web owner or Back button, nothing will happen to the system.
Exceptions	None
Priority	High
Frequency	Seito wants to report Seito/Sensei by choosing the number of stars on a 5-star scale and filling the reason form
Business Rules	None

Mockup	

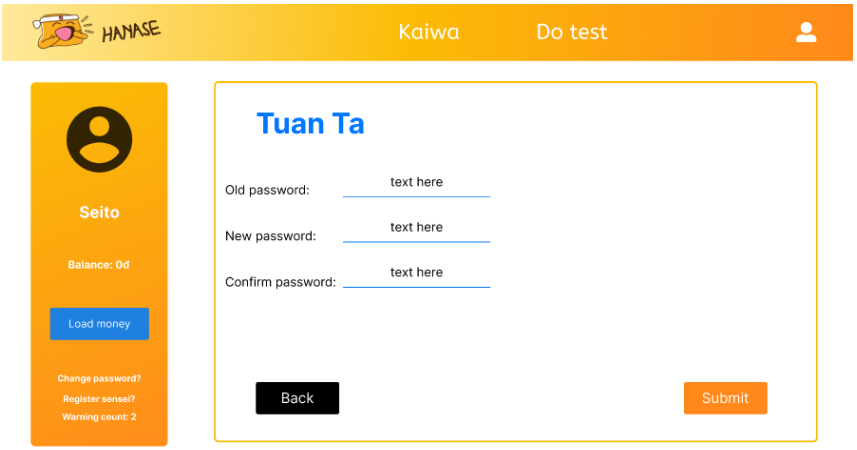
3.3.11 Register Sensei

UC ID and Name:	**UC-15 Register Sensei**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito wants to register as Sensei on the Hanase system		
Trigger:	Seito wants to register as a Sensei on the Hanase system by submitting a request and submitting the necessary relevant information		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Seito accesses personal information page. 2. Seito clicks the "Register Sensei" button 3. Hanase system returns the screen where the required information/degrees are uploaded 4. Hanase system announces successful request submission when Seito clicks Submit and on Seito's personal page, the status is		

	pending approval (the status will change after the Admin/Web owner confirms the request)
Exceptions	None
Priority	High
Frequency	Seito wants to register as a Sensei on the Hanase system by submitting a request and submitting the necessary relevant information
Business Rules	BR-01 BR-02 BR-04
Mockup	 

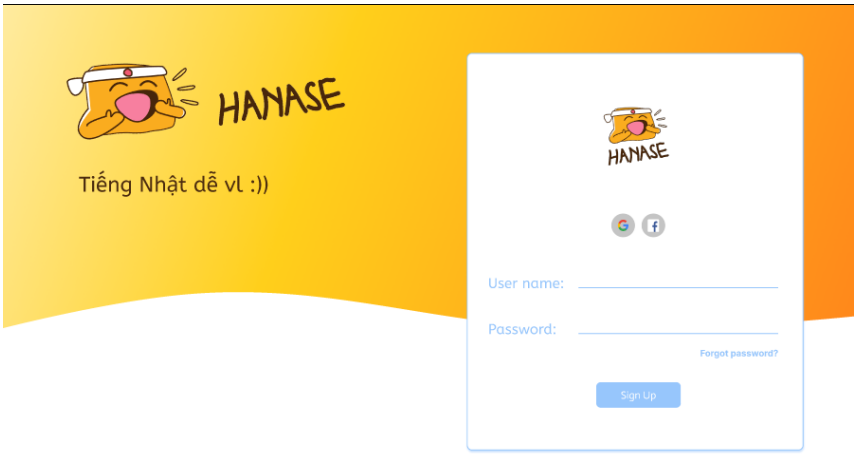
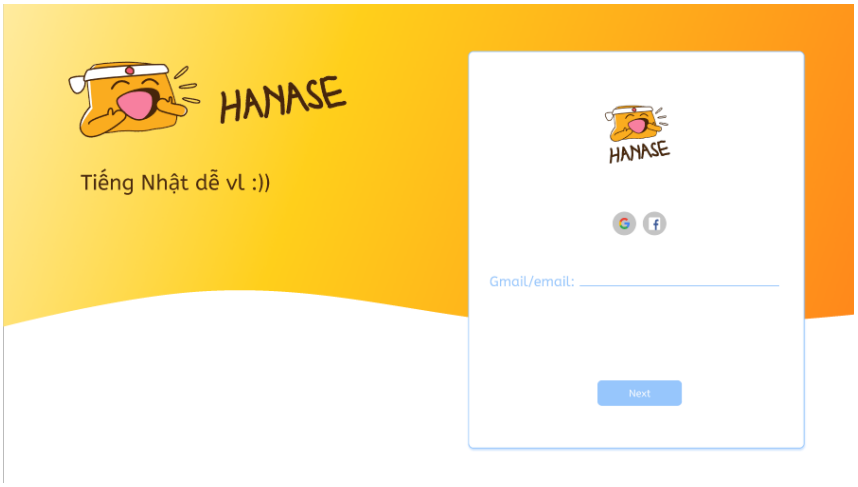
3.3.12 Change password

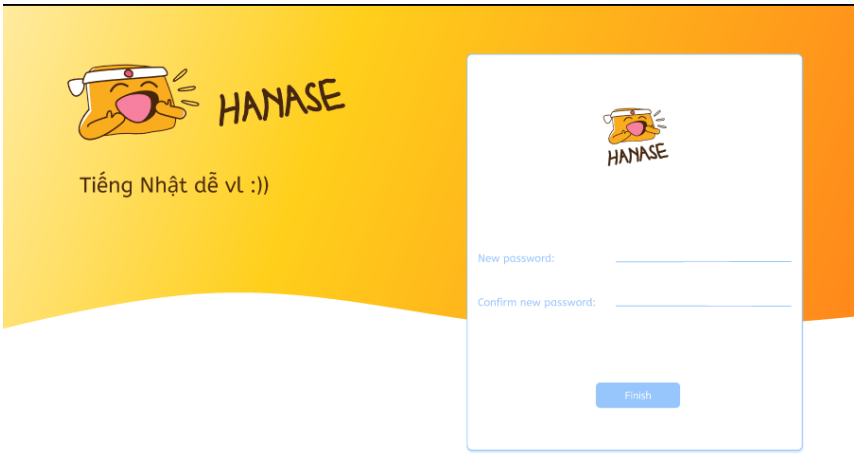
UC ID and Name:	**UC-16 Change Password**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito wants to change his/her pasword		
Trigger:	Seito wants to change his/her pasword		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito changes his/her password successfully		
Normal Flow:	1. Seito accesses personal information page. 2. Seito click "Change Password" button 3. Hanase system returns the new password information screen to fill in 4. Hanase system notifies successful request submission when Seito clicks Submit and the new password is saved to the database		
Exceptions	None		
Priority	High		
Frequency	Seito wants to change his/her account password		
Business Rules	BR-04 BR-06		

Mockup	

3.3.13 Forget password

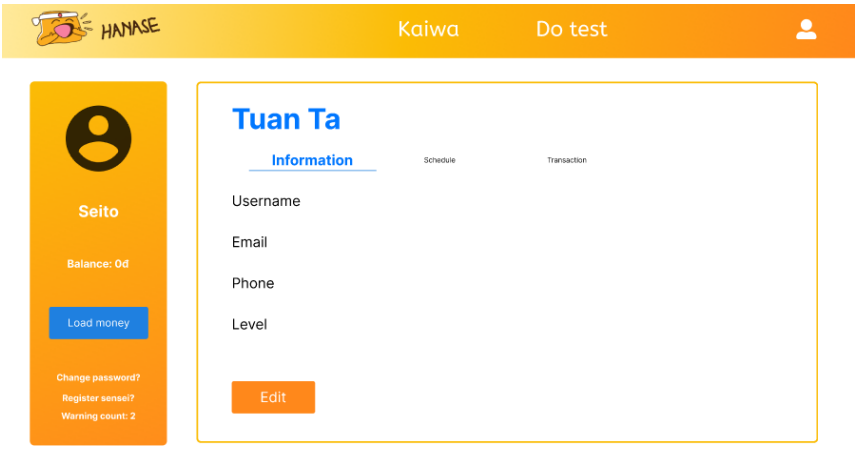
UC ID and Name:	**UC-17 Forget Password**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito forget his/her password and wants to recover his/her password		
Trigger:	Seito forget his/her password and wants to recover his/her password		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito recover his/her password successfully		
Normal Flow:	1. Seito at the login page and click "Forgot Password" 2. The screen displays a request to fill in the gmail/email registered with the system 3. The system notices that a password has been sent to gmail, Seito checks the email and fills in the password sent.		

	4. Hanase system returns a screen asking for a new password and confirmation. Then the new password will be saved in the database
Exceptions	None
Priority	High
Frequency	Seito forget his/her password and wants to recover his/her password
Business Rules	BR-04
Mockup	 

3.3.14 View Profile

UC ID and Name:	**UC-18 View Profile**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito want to view his/her profile		
Trigger:	Seito want to view his/her profile		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito can see his/her profile		

Normal Flow:	1. Seito go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Seito clicks on his/her avatar icon 4. The system returns the user's detailed information page
Exceptions	None
Priority	High
Frequency	Seito want to view his/her profile
Business Rules	None
Mockup	

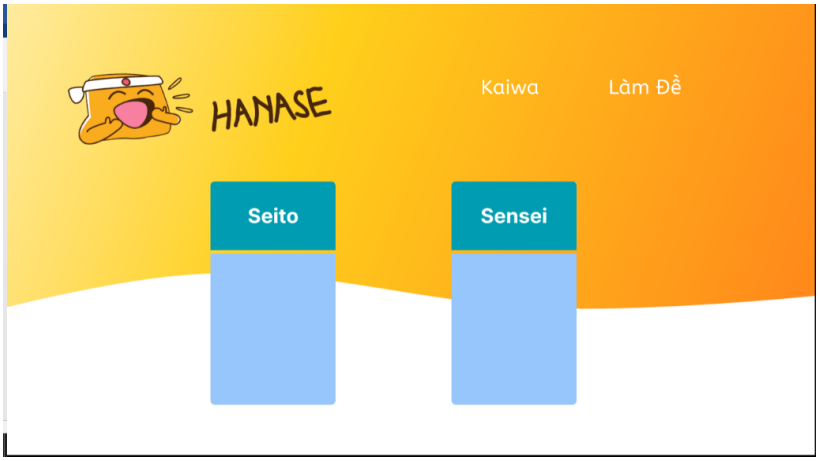
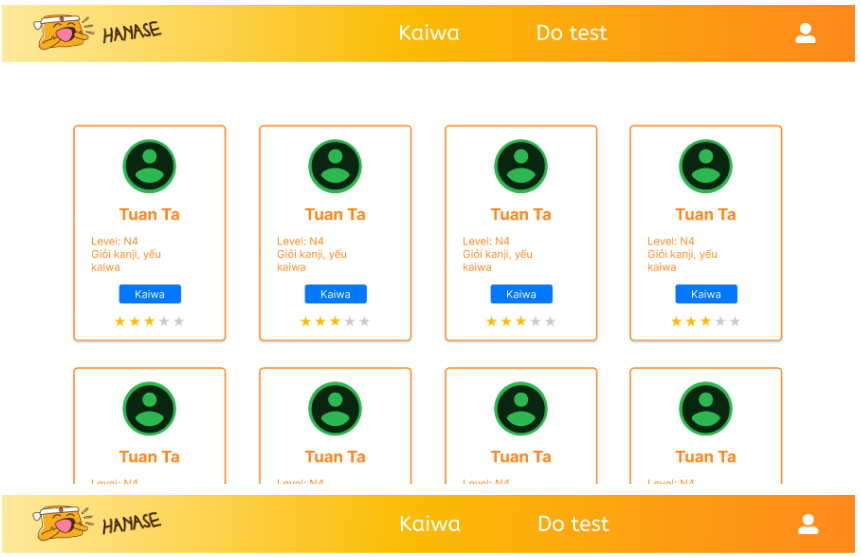
3.3.15 View History Transaction

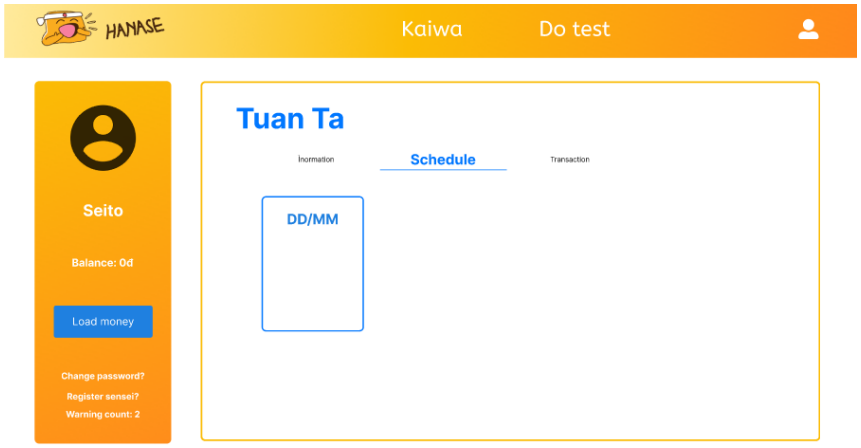
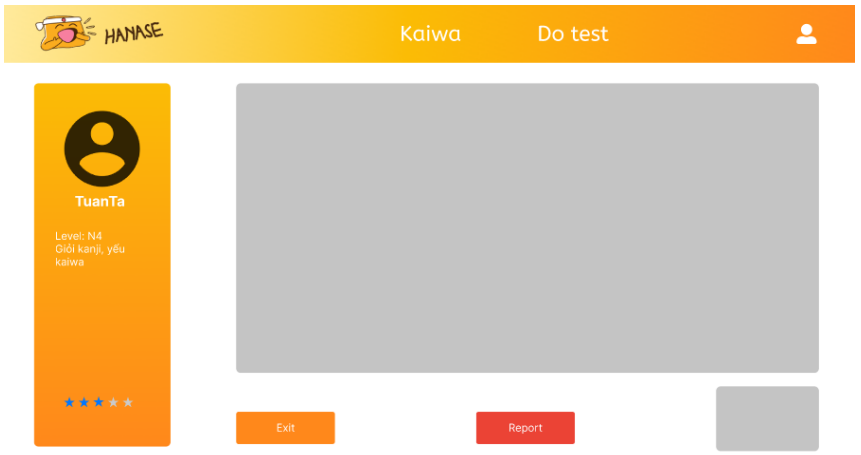
UC ID and Name:	**UC-19 View History Transaction**		
Primary Actor:	Seito	Secondary Actors:	Hanase

Description:	Seito want to view his/her history transaction
Trigger:	Seito want to view his/her history transaction
Preconditions:	Seito is logged in to Hanase
Postconditions:	Seito see his/her history transaction successfully
Normal Flow:	1. Seito go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Seito clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Seito clicks on "Transactions" button and the system will display the tabular transactions
Exceptions	None
Priority	High
Frequency	Seito want to view his/her history transaction
Business Rules	None
Mockup	

3.3.16 Kaiwa

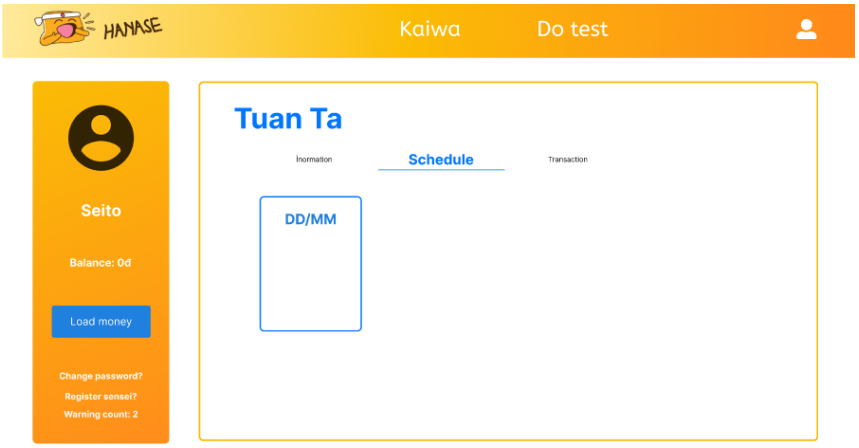
UC ID and Name:	**UC-20 Kaiwa**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito wants to find others to practice Kaiwa		
Trigger:	Seito wants to find others to practice Kaiwa		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Seito clicks the "Kaiwa" button on the header bar 2. The Hanase system returns the screen to select the type of person Seito wants to search for (Seito/Sensei) 3. Depending on the selection, the system will return the screen showing other Seito/Sensei 4. After being contacted and assigned a class by Sensei, Seito can access "View Schedule" to view the scheduled class schedule. At the same time, when Seito clicks on the class schedule, the system returns a video call screen with the Sensei(only if it is accessible when that visit matches the scheduled class time).		
Exceptions	None		
Priority	High		
Frequency	Seito wants to find others to practice Kaiwa		
Business Rules	BR-08		

Mockup	 HANASE Kaiwa Làm Đề Seito Sensei  HANASE Kaiwa Do test Tuan Ta Level: N4 Giỏi kanji, yếu kaiwa Kaiwa HANASE Kaiwa Do test Tuan Ta Level: N4 Giỏi kanji, yếu kaiwa Contact Information Facebook Chat 30k/1H

3.3.17 View Schedule

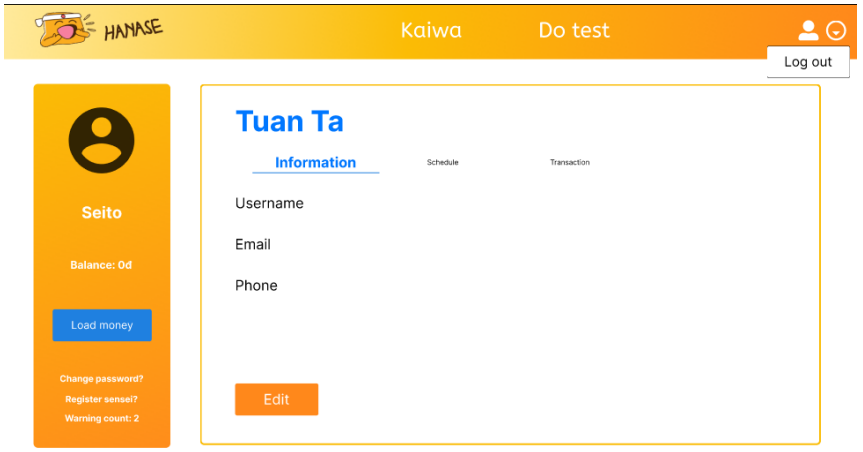
UC ID and Name:	**UC-21 View Schedule**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito want to view his/her schedule		
Trigger:	Seito want to view his/her schedule		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito see his/her schedule successfully		

Normal Flow:	1. Seito go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Seito clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Seito clicks on "View Schedule" to view the scheduled class schedule.
Exceptions	None
Priority	High
Frequency	Seito want to view his/her schedule
Business Rules	None
Mockup	

3.3.18 Logut

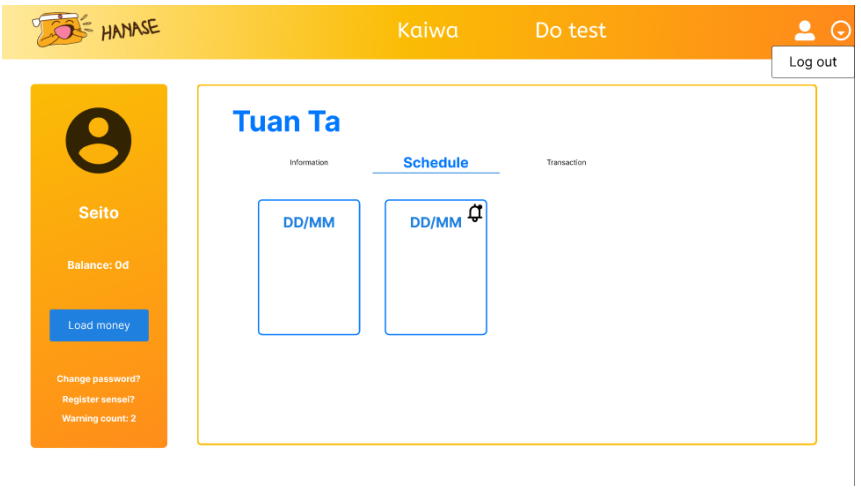
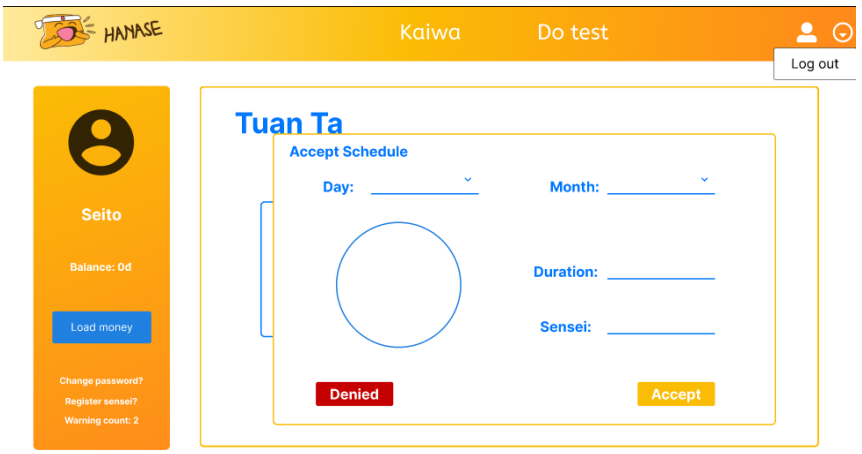
UC ID and Name:	**UC- Seito logout Hanase**		
Primary Actor:	Seito	Secondary Actors:	Hanase

Description:	Seito want to logout Hanase System
Trigger:	Seito want to logout Hanase System
Preconditions:	Seito is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Seito clicks the drop-down icon next to the ava icon in the header bar 2. Seito presses the "Log out" button
Exceptions	None
Priority	High
Frequency	Seito want to logout Hanase System
Business Rules	None

Mockup	

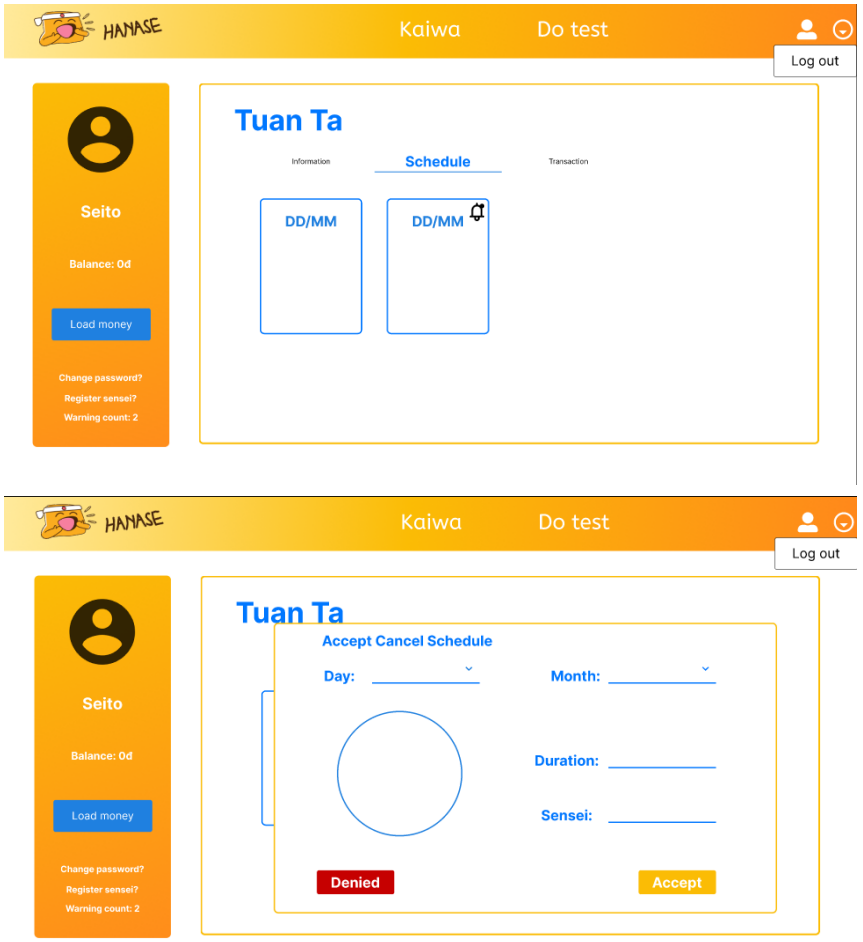
3.3.19 Accept Schedule

UC ID and Name:	**UC Accept Schedule**		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito want to accept his/her schedule which created by Sensei		
Trigger:	Seito want to accept his/her schedule which created by Sensei		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito accept his/her schedule which created by Sensei		
Normal Flow:	1. Seito go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Seito clicks his/her avatar icon 4. The system returns the user's details page 5. Seito click "View Class Schedule" to view the scheduled class schedule.		

	6. Seito clicks on the schedule marked with the notification and proceeds to accept the schedule created by Sensei
Exceptions	None
Priority	High
Frequency	Seito want to accept his/her schedule which created by Sensei
Business Rules	None
Mockup	 

3.3.20 Accept Cancel Schedule

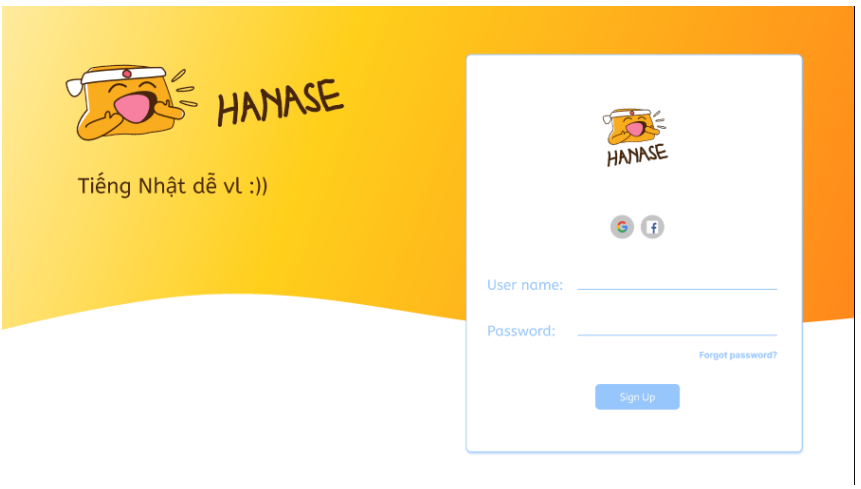
UC ID and Name:	**UC- *Accept Cancel Schedule***		
Primary Actor:	Seito	Secondary Actors:	Hanase
Description:	Seito want to accept cancel his/her schedule which created by Sensei		
Trigger:	Seito want to accept cancel his/her schedule which created by Sensei		
Preconditions:	Seito is logged in to Hanase		
Postconditions:	Seito accept cancel his/her schedule which created by Sensei		
Normal Flow:	1. Seito go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Seito clicks his/her avatar icon 4. The system returns the user's details page 5. Seito click "View Class Schedule" to view the scheduled class schedule. 6. Seito clicks on the schedule marked with the notification and proceeds to accept cancel the schedule created by Sensei		
Exceptions	None		
Priority	High		
Frequency	Seito want to accept cancel his/her schedule which created by Sensei		
Business Rules	None		

Mockup	

3.4 Sensei

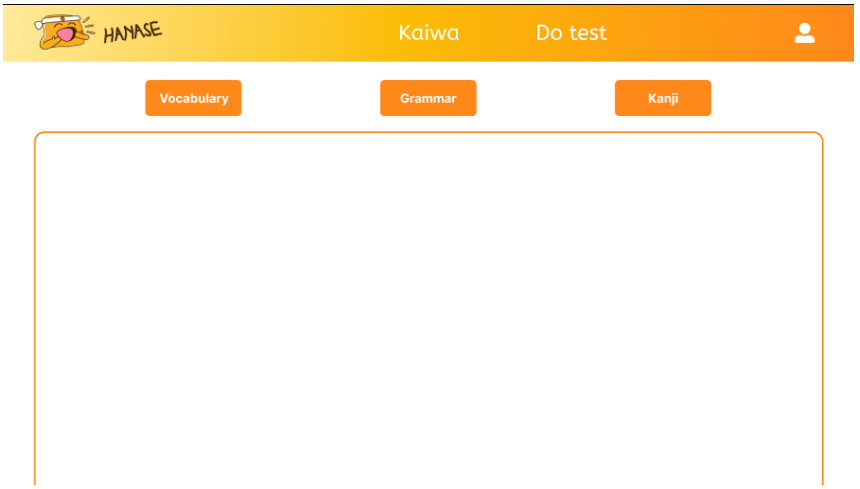
3.4.1 Login

UC ID and Name:	**UC-22 Sensei login Hanase**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	As a Guest, he/she will click on the login button to go to the login page or it will automatically ask him/her to login when he/she clicks to use the services .		
Trigger:	Sensei want to login Hanase System		
Preconditions:	None		

Postconditions:	None
Normal Flow:	1. User visits Hanase's original homepage 2. User clicks “Login” button and Hanase returns the information filling page 3. User fills in username and password 4. The system checks the username and password entered in the database. 5. The system returns the home page display corresponding to each role of the registered account.
Exceptions	Wrong username or password
Priority	High
Frequency	Sensei want to login Hanase System
Business Rules	None
Mockup	

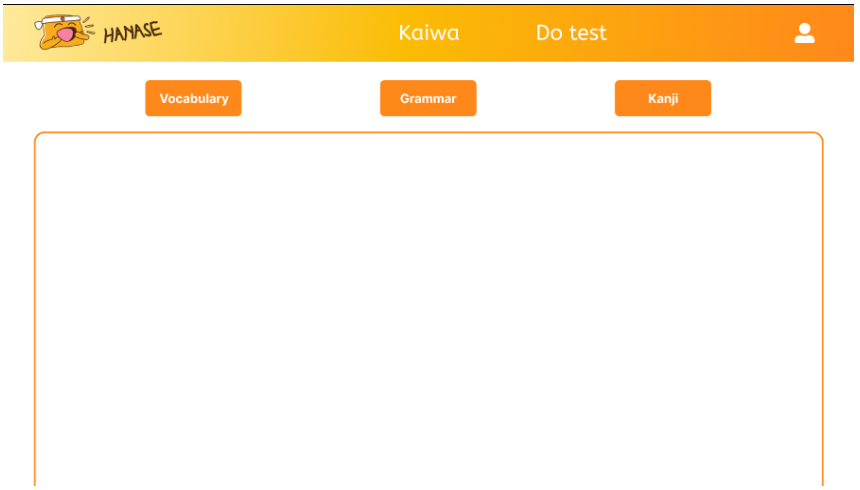
3.4.2 View Vocabulary

UC ID and Name:	**UC-23 View list Vocabulary**		
Primary Actor:	Sensei	Primary Actor:	Hanase
Description:	Sensei want to view vocabulary		
Trigger:	Sensei click button “Vocabulary”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Sensei clicks on the “Vocabulary” button on the homepage 2. The display screen returns the vocabulary screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		
Frequency	Sensei want to view vocabulary		
Business Rules	None		
Mockup	View Vocabulary List:		

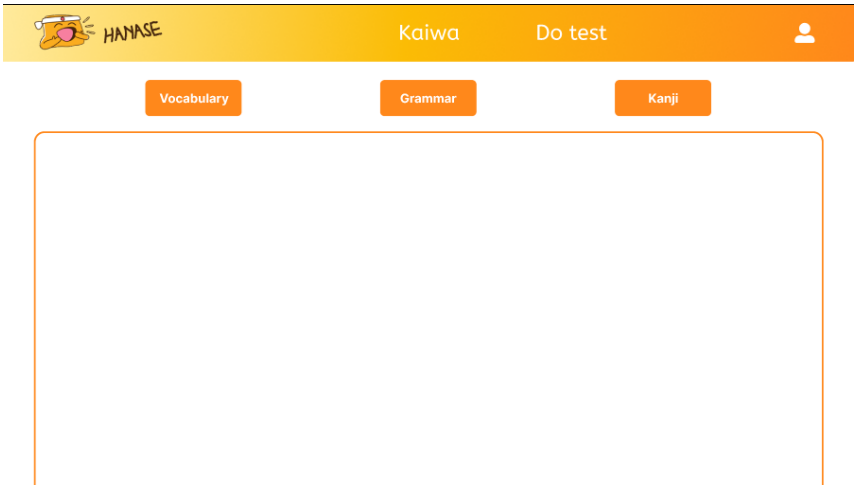
3.4.3 View Grammar

UC ID and Name:	**UC-24 View list Grammar**		
Primary Actor:	Sensei	Primary Actor:	Hanase
Description:	Sensei want to view grammar		
Trigger:	Sensei click button “Grammar”		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1. Sensei clicks on the “Grammar” button on the homepage 2. The display screen returns the grammar screen (the list is in the form of a drop-down menu and is divided into 3 levels)		
Exceptions	None		
Priority	High		

Frequency	Sensei want to view grammar
Business Rules	None
Mockup	View Grammar List: 

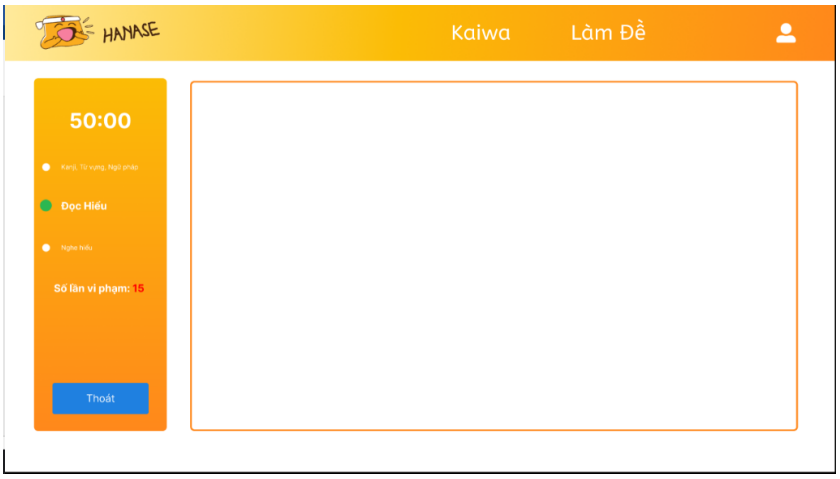
3.4.4 View Kanji

UC ID and Name:	**UC-25 View list Kanji**		
Primary Actor:	Sensei	Primary Actor:	Hanase
Description:	Sensei want to view kanji		
Trigger:	Sensei clicks “Kanji” button		
Preconditions:	None		
Postconditions:	None		
Normal Flow:	1.Sensei clicks on the “Kanji” button on the homepage		

	2. The display screen returns the kanji screen (the list is in the form of a drop-down menu and is divided into 3 levels)
Exceptions	None
Priority	High
Frequency	Sensei want to view kanji
Business Rules	None
Mockup	View Kanji List: 

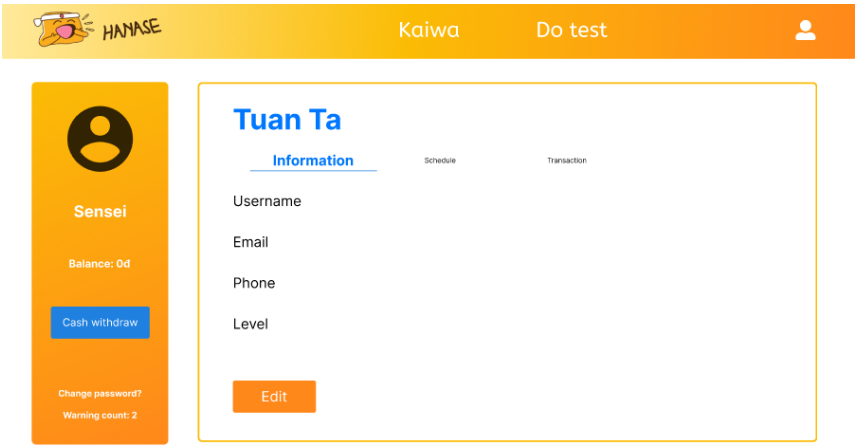
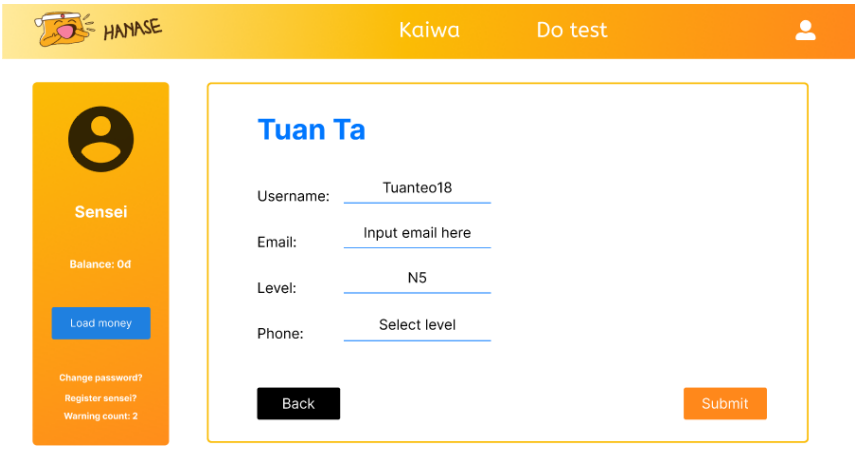
3.4.5 Do-JLPT-Test

UC ID and Name:	**UC-26 Do-JLPT-Test**		
Primary Actor:	Sensei	Primary Actor:	Hanase
Description:	Sensei want to do JLPT Test		
Trigger:	Sensei click “Do JLPT Test” button and select level they want		

Preconditions:	Sensei is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Sensei at the website clicks “Do JLPT Test” button 2.The display screen returns the level table screen for the user to select 3. The system compares and checks the test information according to the level that Seito has selected in the database. 4. The system returns a screen displaying all questions and typing/selecting answers form. 5. Sensei does the test and the system will automatically submit it when the time is up.
Exceptions	None
Priority	High
Frequency	Sensei want to do JLPT Test
Business Rules	
Mockup	

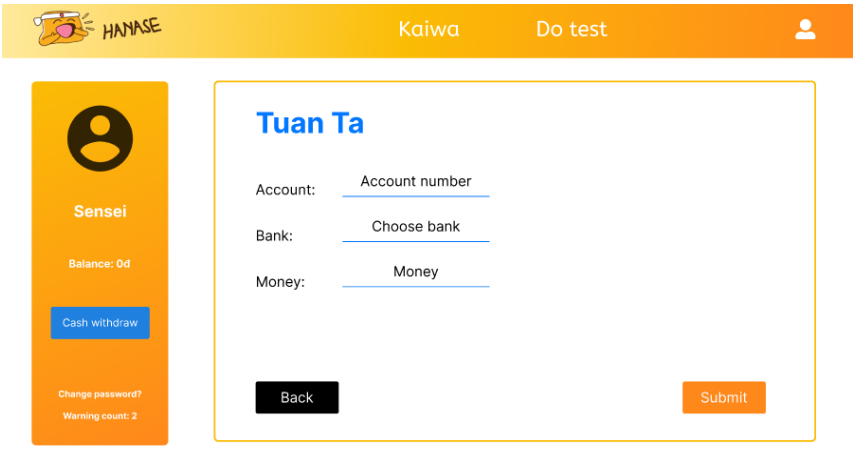
3.4.6 Edit Profile

UC ID and Name:	**UC-27 Edit Profile**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei change personal information in the Hanase system		
Trigger:	Sensei access the information editing page by clicking on the avatar icon at the logged in home page		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. User clicks on the avatar icon at the logged in home page 2.The screen returns to the personal information editing screen. 3. Users change the information they want 4. The system compares, checks, and overwrites new information in the database 5. The system returns the successful result screen.		
Exceptions	None		
Priority	High		
Frequency	Sensei change personal information in the Hanase system		
Business Rules	None		

Mockup	 

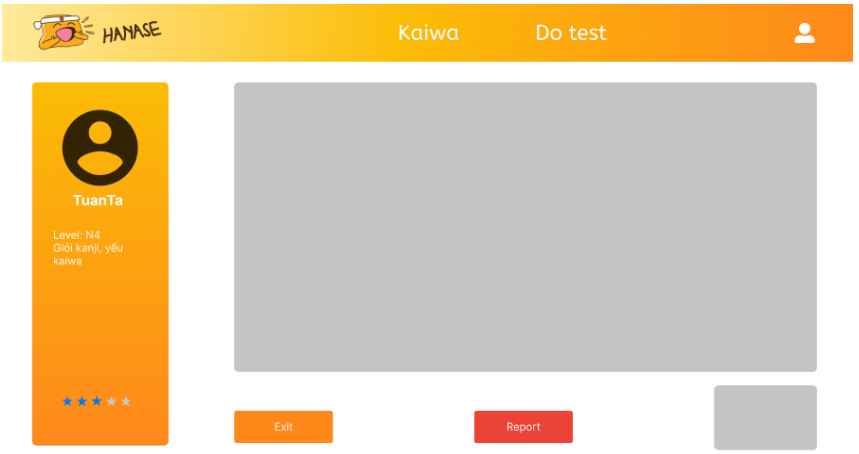
3.4.7 Cash Withdrawal

UC ID and Name:	**UC-28 Cash Withdrawal**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei wants to withdraw money on Hanase system		
Trigger:	Sensei clicks the "Withdraw Money" button at the edit profile page		
Preconditions:	Sensei is logged in to Hanase		

Postconditions:	None
Normal Flow:	1. Sensei clicks on the avatar icon at the login homepage 2. The screen returns to the personal information editing screen. 3. Sensei presses the “Withdraw” button and Hanase system returns the screen to display the form to fill in the necessary information.
Exceptions	None
Priority	High
Frequency	Sensei wants to withdraw money on Hanase system
Business Rules	BR-13
Mockup	

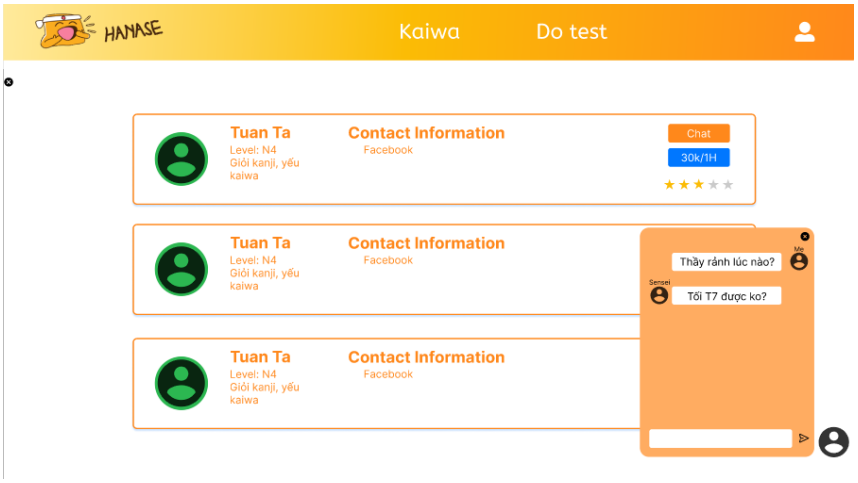
3.4.8 Rating

UC ID and Name:	**UC-29 Rating as Seito**		
Primary Actor:	Sensei, Hanase	Secondary Actors:	Sensei, Seito

Description:	Sensei wants to rate Seito/Sensei on a 5-star scale after finishing the kaiwa lesson between the two of them
Trigger:	Sensei wants to rate Seito/Sensei by choosing the number of stars on a 5-star scale
Preconditions:	Sensei is logged in to Hanase
Postconditions:	Sensei rate another successfully after Kaiwa is end
Normal Flow:	1. Sensei is preparing to exit/report a kaiwa lesson. 2. Sensei choose the number of stars they want to rate at the bottom of their avatar 3. Sensei exits/reports via Exit button or Report button
Exceptions	None
Priority	High
Frequency	Sensei wants to rate Seito/Sensei by choosing the number of stars on a 5-star scale on Hanase system via Kaiwa page
Business Rules	None
Mockup	

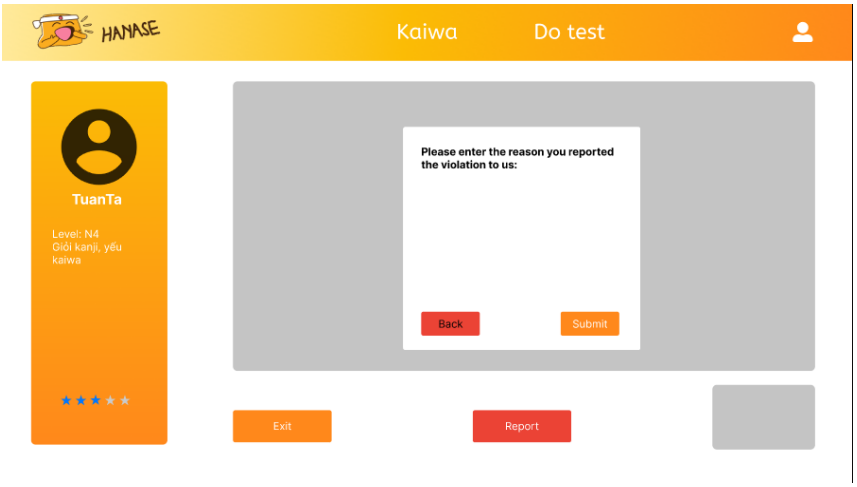
3.4.9 Chat

UC ID and Name:	**UC- Chat**		
Primary Actor:	Sensei, Hanase	Secondary Actors:	Seito
Description:	Sensei was contacted by Seito to set up a kaiwa class schedule		
Trigger:	Sensei was contacted by Seito to set up a kaiwa class schedule		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. A certain Seito in the system when pressing "Chat" with Sensei. 2. At that point, Sensei's screen will show a small pop chat.		
Exceptions	None		
Priority	High		
Frequency	Sensei was contacted by Seito to set up a kaiwa class schedule		
Business Rules	BR-01		

Mockup	

3.4.10 Report Abuse

UC ID and Name:	**UC-31 Report as Sensei**		
Primary Actor:	Sensei, Hanase	Secondary Actors:	Sensei, Seito
Description:	Sensei wants to report Seito / Sensei on a 5-star scale and through the form fill in the reason for the report after finishing the kaiwa lesson between the two of them.		
Trigger:	Sensei wants to report Seito/Sensei by choosing the number of stars on a 5-star scale and filling the reason form		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Sensei is preparing to exit/report a kaiwa lesson. 2. Sensei chooses the number of stars they want to rate at the bottom of their profile picture 3. Sensei selects the Report button		

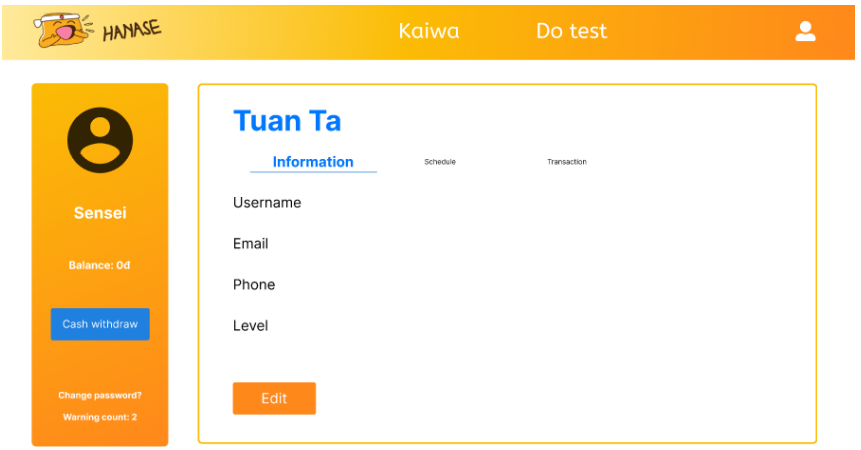
	4. Hanase system pop-up 1 form to fill in the reason for the report 5. Submit button will save the report form to the Admin/Web owner or Back button, nothing will happen to the system.
Exceptions	None
Priority	High
Frequency	Sensei wants to report Seito/Sensei by choosing the number of stars on a 5-star scale and filling the reason form
Business Rules	None
Mockup	

3.4.11 Reset password

3.4.12 Forget password

3.4.13 View Profile

UC ID and Name:	**UC-34 View Profile**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei want to view his/her profile		

Trigger:	Sensei want to view his/her profile
Preconditions:	Sensei is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Sensei go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Sensei clicks on his/her avatar icon 4. The system returns the user's detailed information page
Exceptions	None
Priority	High
Frequency	Sensei want to view his/her profile
Business Rules	None
Mockup	

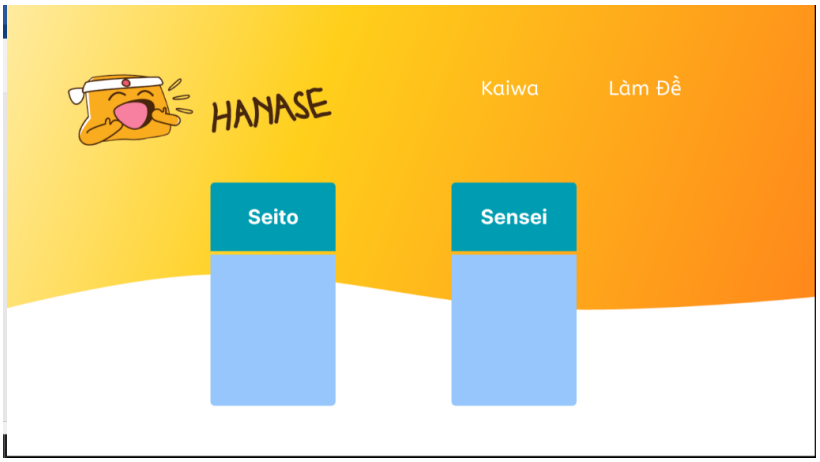
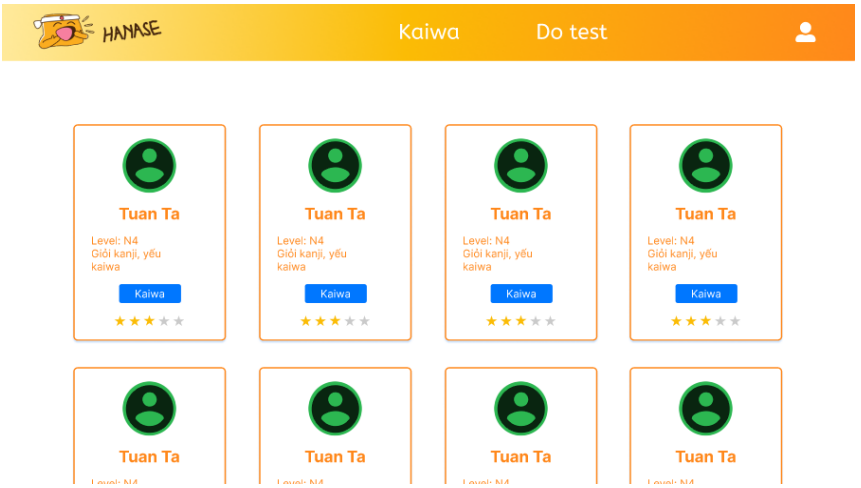
3.4.14 View History Transaction

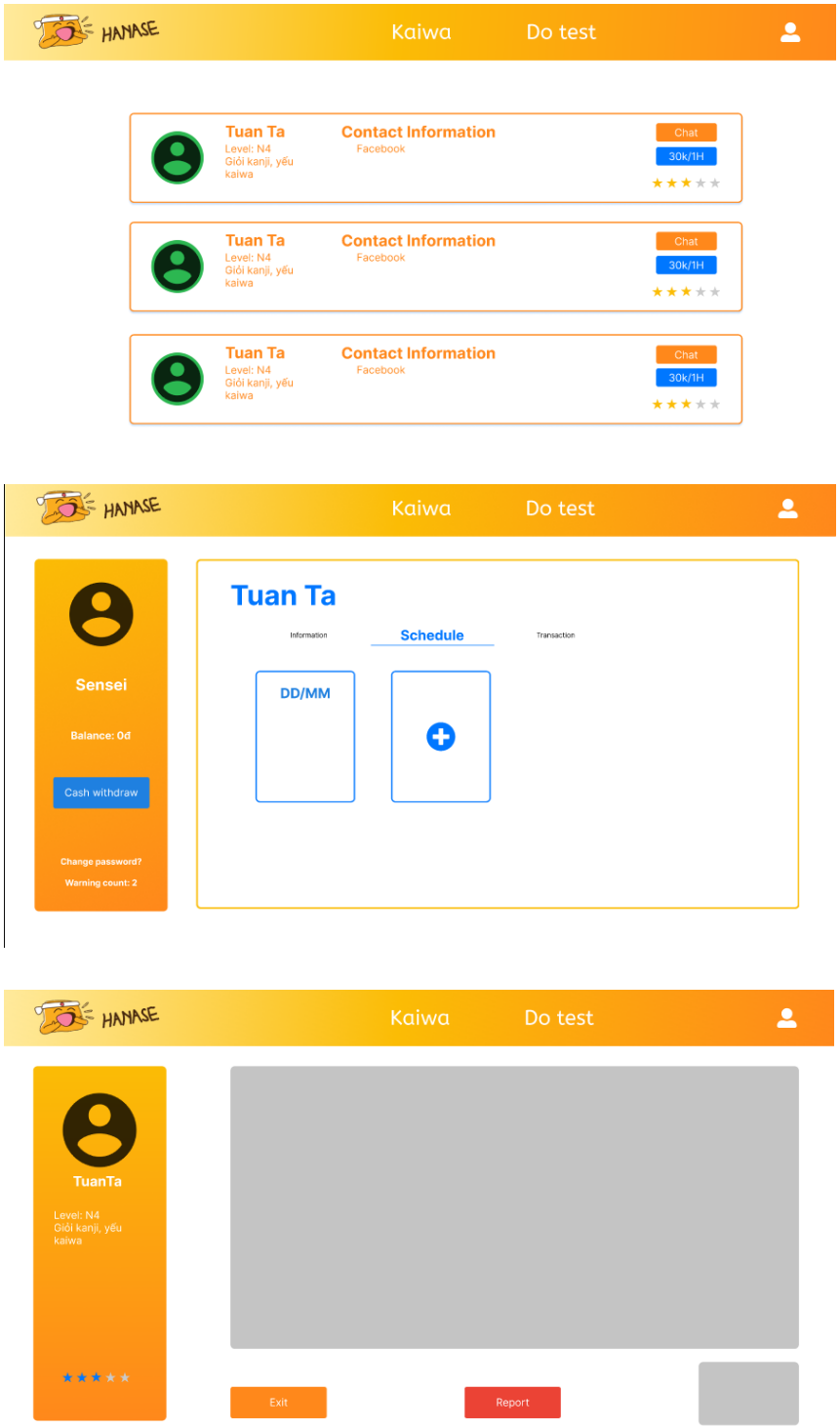
UC ID and Name:	**UC-35 View History Transaction**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei want to view his/her history transaction		
Trigger:	Sensei want to view his/her history transaction		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	Sensei see his/her history transaction successfully		
Normal Flow:	1. Sensei go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Sensei clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Sensei clicks on "Transactions" button and the system will display the tabular transactions		
Exceptions	None		
Priority	High		
Frequency	Sensei want to view his/her history transaction		
Business Rules	None		

Mockup	

3.4.15 Kaiwa

UC ID and Name:	**UC-36 Kaiwa**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei wants to find others to practice Kaiwa		
Trigger:	Sensei wants to find others to practice Kaiwa		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Sensei clicks the "Kaiwa" button on the header bar 2. The Hanase system returns the screen to select the type of person Sensei wants to search for (Seito/Sensei) 3. Depending on the selection, the system will return the screen showing other Seito/Sensei 4. Sensei can access "View Schedule" to view the scheduled class schedule. At the same time, when Sensei clicks on the class schedule, the system returns a video call screen with the		

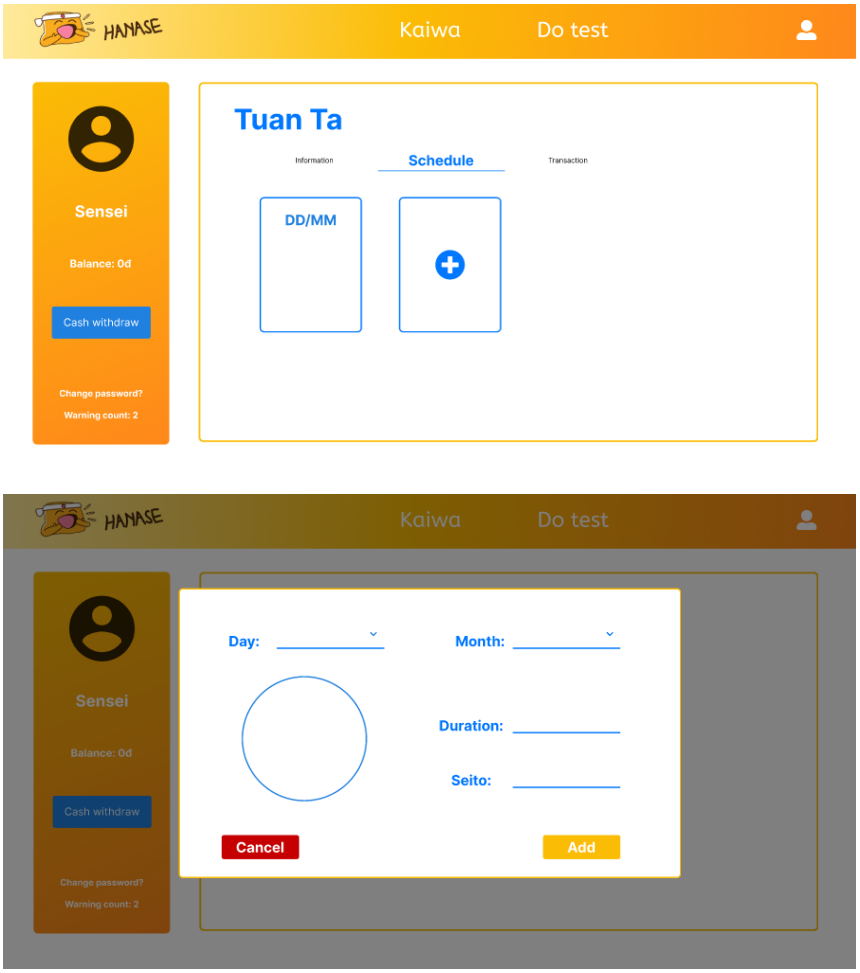
	Seito(only if it is accessible when that visit matches the scheduled class time).
Exceptions	None
Priority	High
Frequency	Sensei wants to find others to practice Kaiwa
Business Rules	BR-08
Mockup	 



3.4.16 Create Schedule

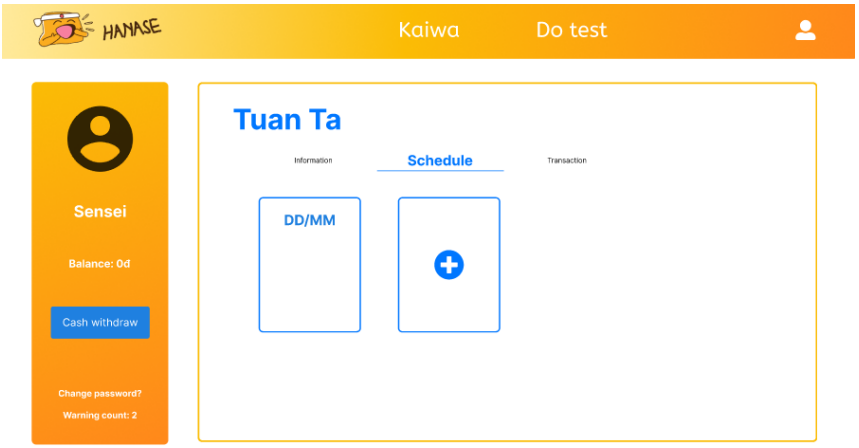
UC ID and Name:	**UC-37 Create Schedule**

Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei want to create schedule		
Trigger:	Sensei want to create schedule		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Sensei go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Sensei clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Sensei clicks on "View Schedule" to view the scheduled class schedule. 6. Sensei clicks the "+" icon and the system will return a pop-up screen to fill in the necessary information.		
Exceptions	None		
Priority	High		
Frequency	Sensei want to create schedule		
Business Rules	None		

Mockup	

3.4.17 View Schedule

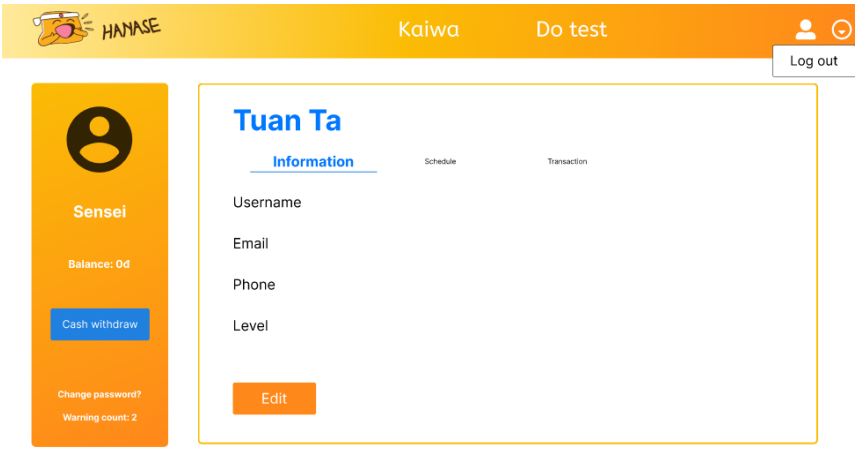
UC ID and Name:	**UC-38 View Schedule**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei want to view his/her schedule		
Trigger:	Sensei want to view his/her schedule		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	None		

Normal Flow:	1. Sensei go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Sensei clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Sensei clicks on "View Schedule" to view the scheduled class schedule.
Exceptions	None
Priority	High
Frequency	Sensei want to view his/her schedule
Business Rules	None
Mockup	

3.4.18 Log Out

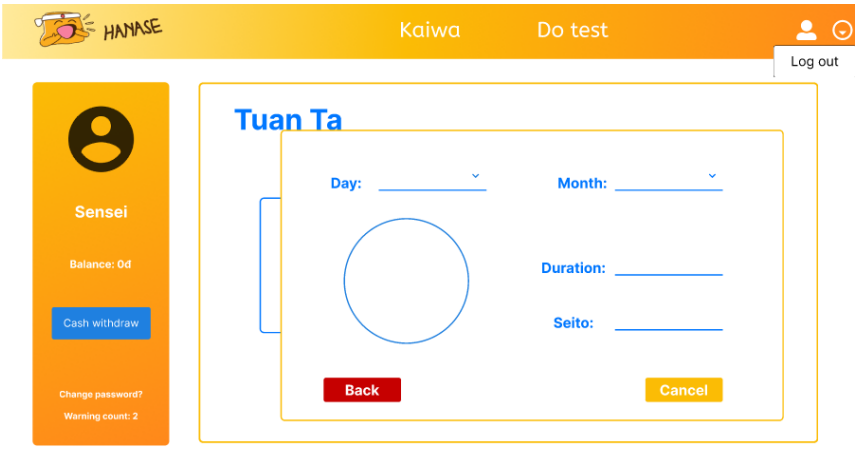
UC ID and Name:	**UC-39 Sensei logout Hanase**		
Primary Actor:	Sensei	Secondary Actors:	Hanase

Description:	Sensei want to logout Hanase System
Trigger:	Sensei want to logout Hanase System
Preconditions:	Sensei is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Sensei clicks the drop-down icon next to the ava icon in the header bar 2. Sensei presses the "Log out" button
Exceptions	None
Priority	High
Frequency	Sensei want to logout Hanase System
Business Rules	None

Mockup	

3.4.19 Cancel Schedule

UC ID and Name:	**UC- Sensei cancel schedule**		
Primary Actor:	Sensei	Secondary Actors:	Hanase
Description:	Sensei want to cancel schedule		
Trigger:	Sensei want to cancel schedule		
Preconditions:	Sensei is logged in to Hanase		
Postconditions:	Sensei cancel schedule successfully		
Normal Flow:	1. Sensei go to Hanase's original homepage and log in 2. Hanase system returns home page (logged in) 3. Sensei clicks on his/her avatar icon 4. The system returns the user's detailed information page 5. Sensei clicks on "View Schedule" to view the scheduled class schedule.		

	6. Sensei clicks on any class schedule and the system returns the screen showing the schedule information with “Back” or “Cancel” buttons. 7. Sensei presses “Cancel” button to cancel the schedule
Exceptions	None
Priority	High
Frequency	Sensei want to cancel schedule
Business Rules	None
Mockup	

3.5 Admin

3.5.1 Login

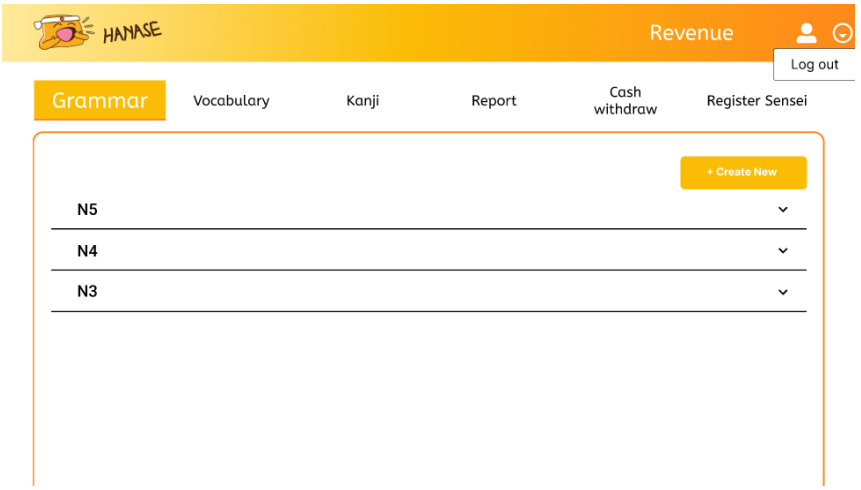
UC ID and Name:	**UC-40 Admin login Hanase**		
Primary Actor:	Admin	Secondary Actors:	Hanase

Description:	As a Guest, he/she will click on the login button to go to the login page or it will automatically ask him/her to login when he/she clicks to use the services .
Trigger:	Admin want to login Hanase System
Preconditions:	None
Postconditions:	None
Normal Flow:	1. User visits Hanase's original homepage 2. User clicks “Login” button and Hanase returns the information filling page 3. User fills in username and password 4. The system checks the username and password entered in the database. 5. The system returns the home page display corresponding to each role of the registered account.
Exceptions	Wrong username or password
Priority	High
Frequency	Admin want to login Hanase System
Business Rules	None

Mockup	

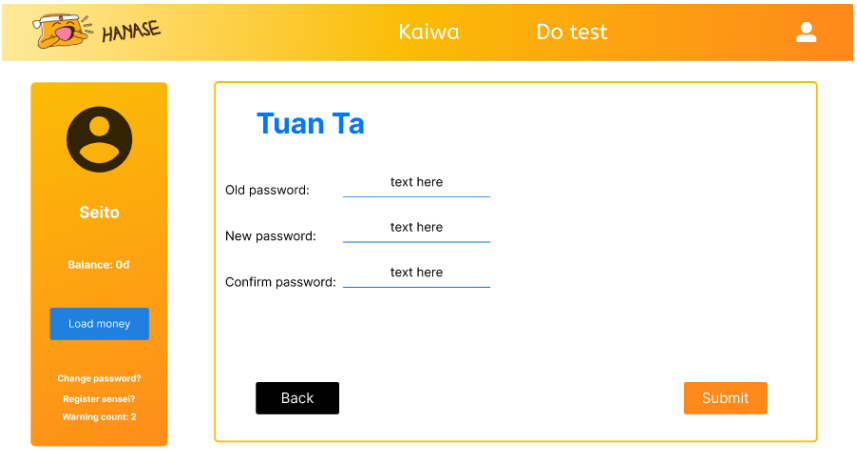
3.5.2 Logout

UC ID and Name:	**UC-41 Admin logout Hanase**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to logout Hanase System		
Trigger:	Admin want to logout Hanase System		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Admin clicks the drop-down icon next to the ava icon in the header bar 2. Admin presses the "Log out" button		

Exceptions	None
Priority	High
Frequency	Admin want to logout Hanase System
Business Rules	None
Mockup	

3.5.3 Change password (cancel)

UC ID and Name:	**UC-42 Change Password**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin wants to change his/her pasword		
Trigger:	Admin wants to change his/her pasword		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin changes his/her password successfully		

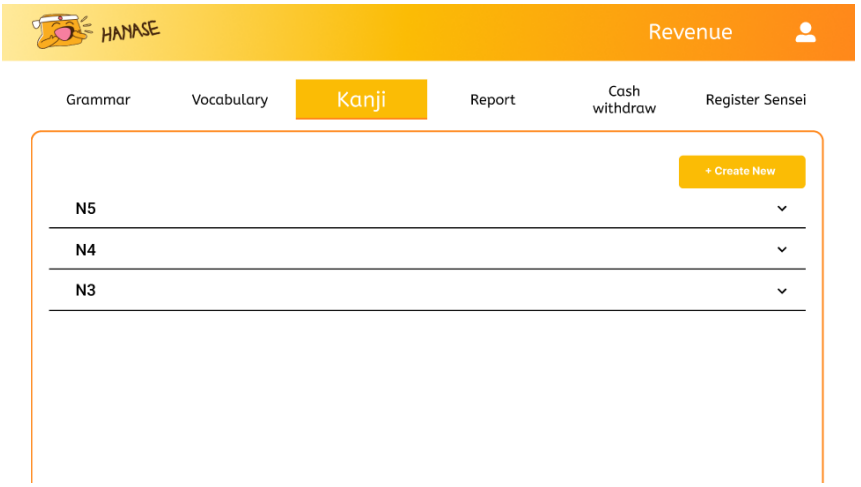
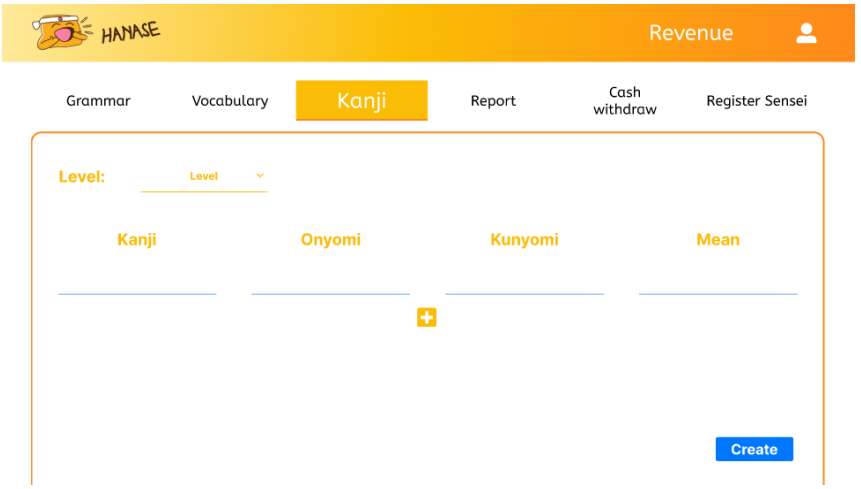
Normal Flow:	1. Admin accesses personal information page. 2. Admin click "Change Password" button 3. Hanase system returns the new password information screen to fill in 4. Hanase system notifies successful request submission when Seito clicks Submit and the new password is saved to the database
Exceptions	None
Priority	High
Frequency	Seito wants to change his/her account password
Business Rules	BR-04 BR-06
Mockup	

3.5.4 Forget password (cancel)

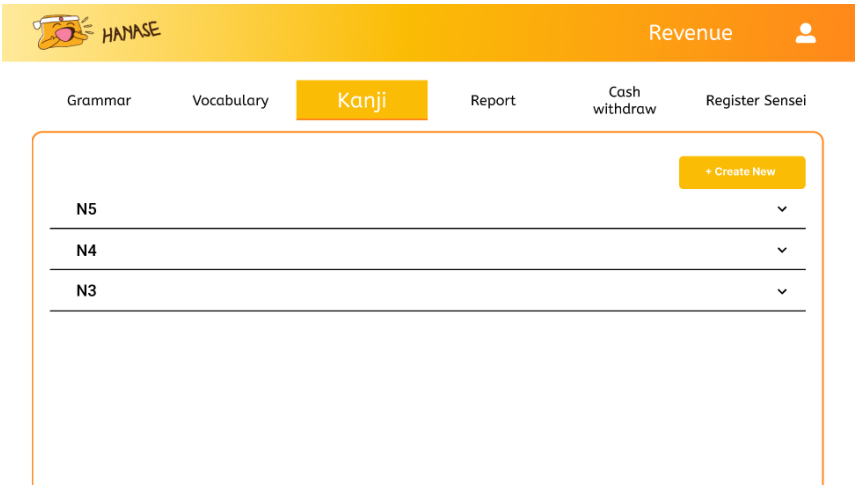
3.5.5 CRUD Kanji

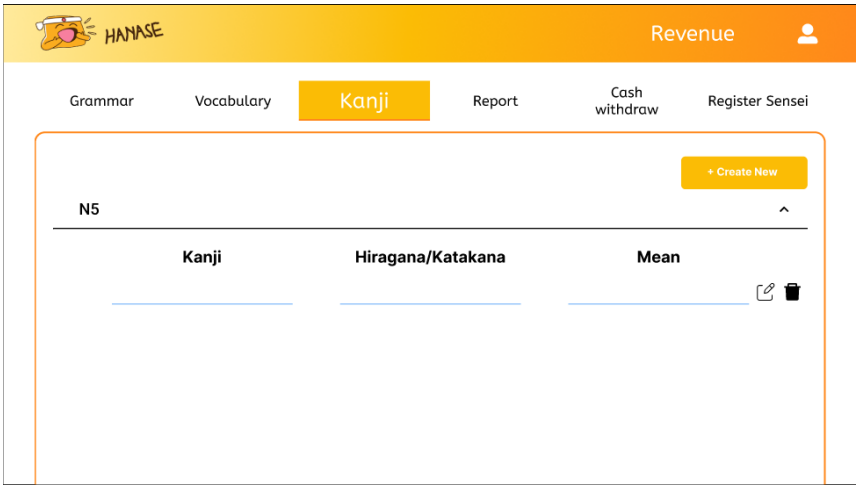
UC ID and Name:	**UC-44 Create Kanji**

Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to create new Kanji		
Trigger:	Admin want to create new Kanji		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Admin can create new Kanji through “Create New” button 6. Admin fill in new Kanji and press + button to add new Kanji into system and database		
Exceptions	None		
Priority	High		
Frequency	Admin want to create new Kanji		
Business Rules	BR-04		

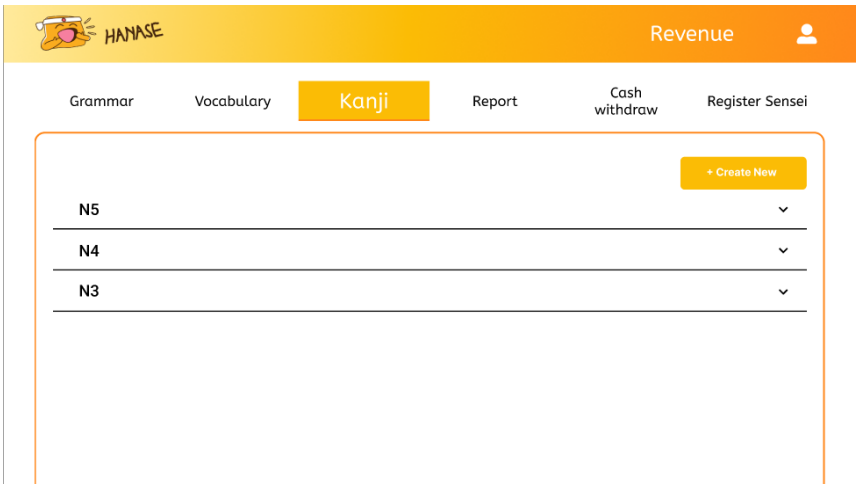
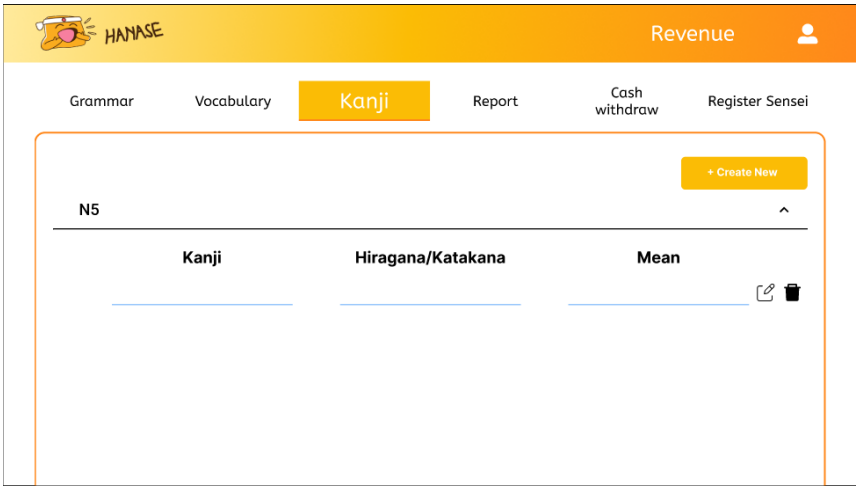
Mockup	 

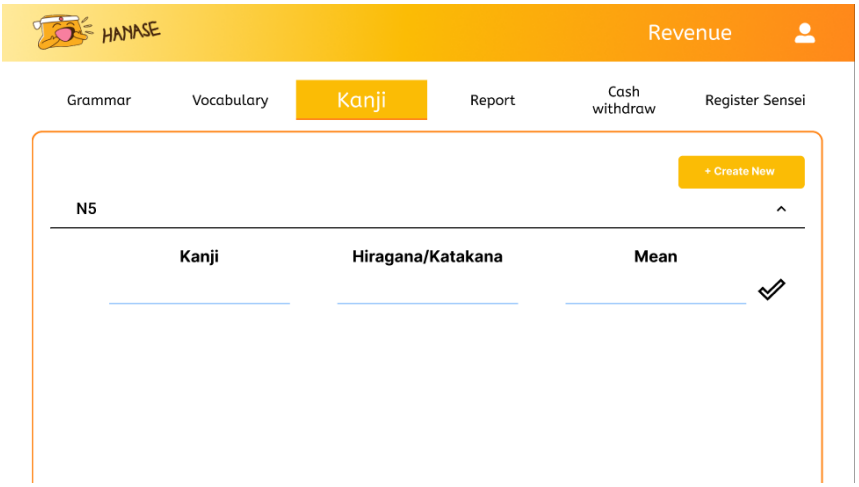
UC ID and Name:	**UC-45 Read Kanji**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to read Kanji		
Trigger:	Admin want to read Kanji		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		

Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Admin can see and read list of Kanji on the screen
Exceptions	None
Priority	High
Frequency	Admin want to read Kanji
Business Rules	None
Mockup	

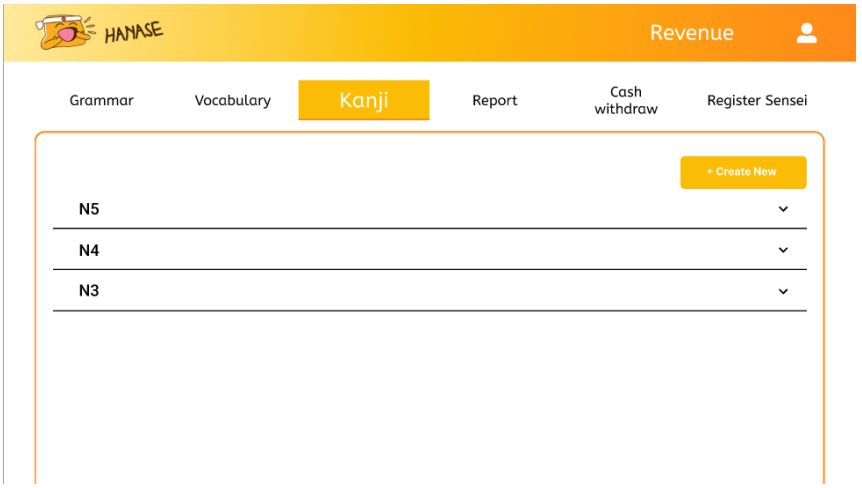
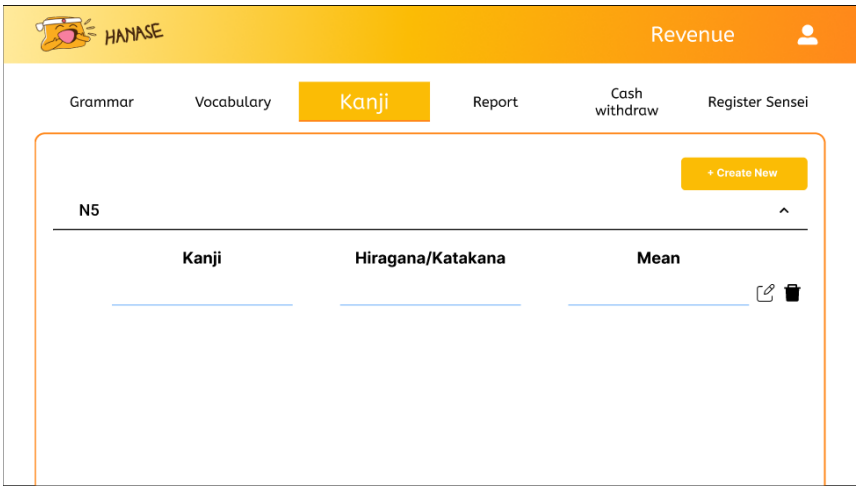
	

UC ID and Name:	**UC-46 Update Kanji**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to update Kanji which had in the system		
Trigger:	Admin want to update Kanji which had in the system		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin update Kanji successfully		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Admin can see and read list of Kanji on the screen 6. Admin press fix button nearby each Kanji to update this.		

	7. After filling in the update information of Kanji, Admin press done-tick button to finish.
Exceptions	None
Priority	High
Frequency	Admin update Kanji which had in the system successfully
Business Rules	None
Mockup	 

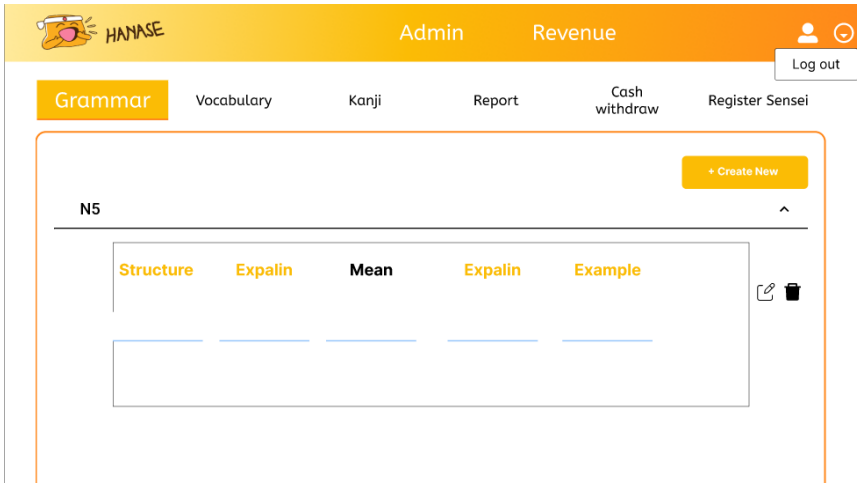
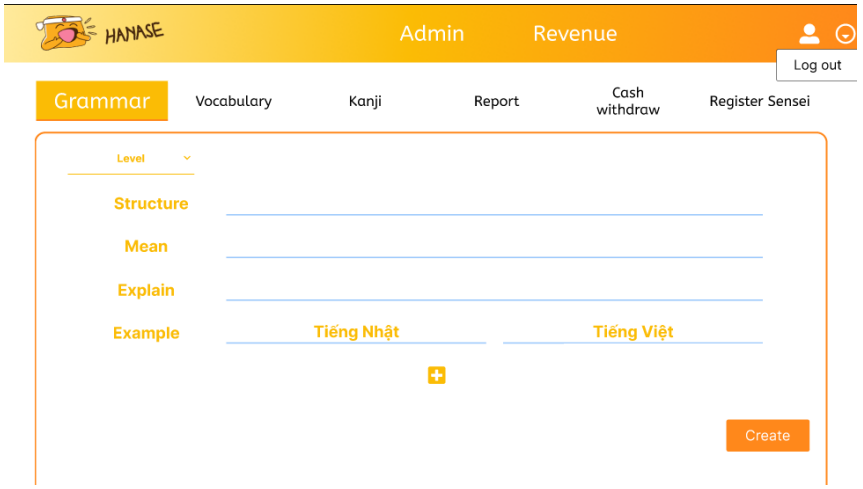
UC ID and Name:	**UC-47 Delete Kanji**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to delete Kanji which had in the system		
Trigger:	Admin want to delete Kanji which had in the system		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin delete Kanji which had in the system successfully		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Admin can see and read list of Kanji on the screen 6. Admin press delete button nearby the Kanji to delete it		

Exceptions	None
Priority	High
Frequency	Admin want to delete Kanji which had in the system
Business Rules	None
Mockup	 

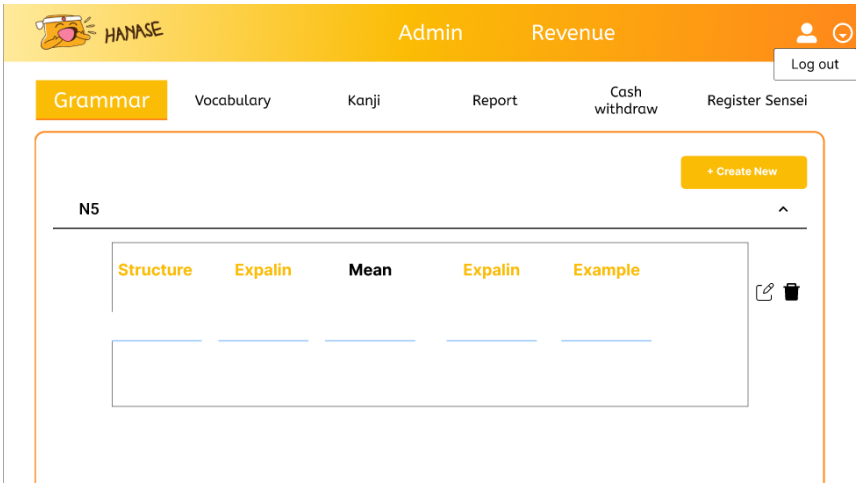
3.5.6 CRUD Grammar

UC ID and Name:	**UC- Create Grammar**		
Primary Actor:	Admin	Secondary Actors:	Hanase

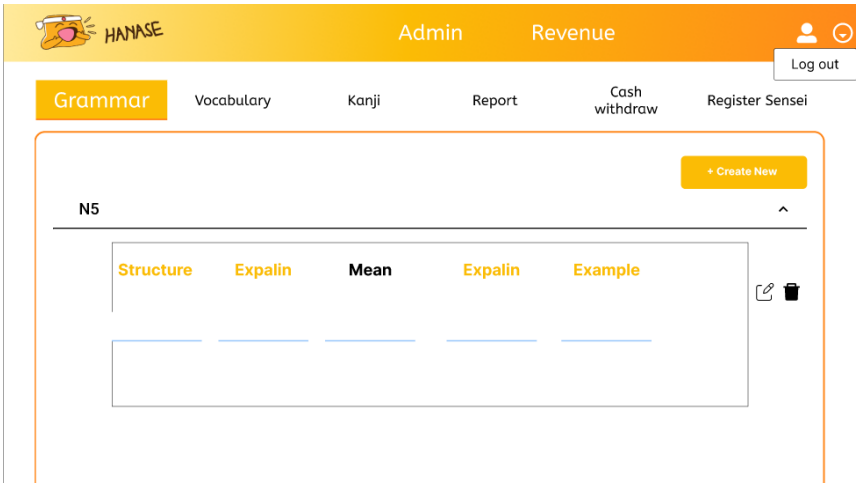
Description:	Admin want to create new Grammar
Trigger:	Admin want to create new Grammar
Preconditions:	Admin is logged in to Hanase
Postconditions:	Admin create new Grammar successfully
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Admin can create new Grammar through “Create New” button 6. Admin fill in new Grammar and press + button to add new Kanji into system and database
Exceptions	None
Priority	High
Frequency	Admin want to create new Grammar
Business Rules	BR-01

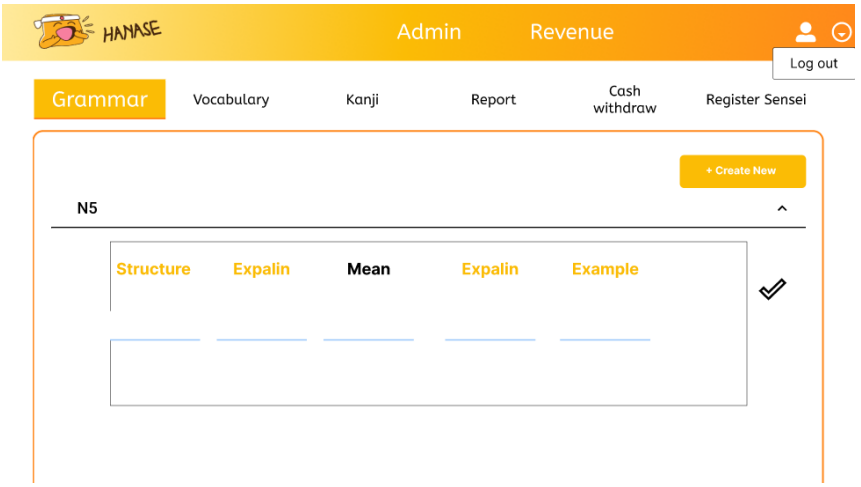
Mockup	 

UC ID and Name:	**UC- Read Grammar**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to read Grammar		
Trigger:	Admin want to read Grammar		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin read Grammar successfully		

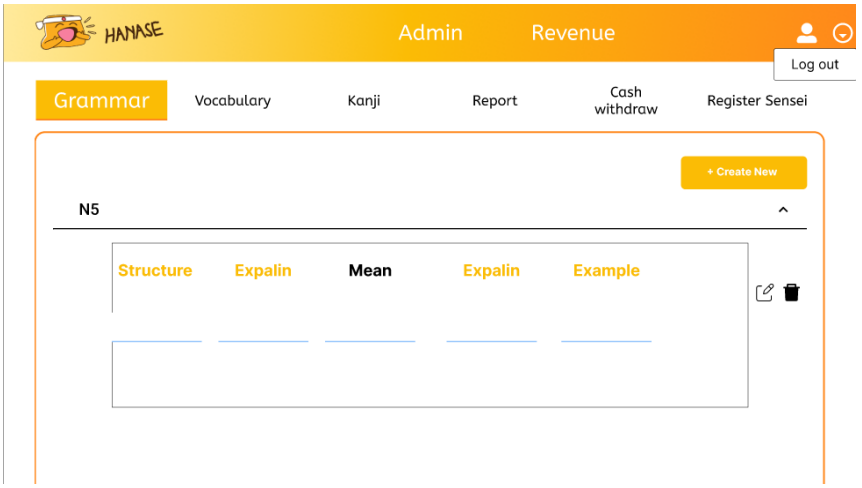
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Admin can see and read list of Grammar on the screen
Exceptions	None
Priority	High
Frequency	Admin want to read Grammar
Business Rules	None
Mockup	

UC ID and Name:	**UC- Update Grammar**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to update Grammar which had in the system		

Trigger:	Admin want to update Grammar which had in the system
Preconditions:	Admin is logged in to Hanase
Postconditions:	Admin update Grammar successfully
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Admin can see and read list of Grammar on the screen 6. Admin press fix button nearby each Grammar to update this.
Exceptions	None
Priority	High
Frequency	Admin update Grammar which had in the system successfully
Business Rules	None
Mockup	

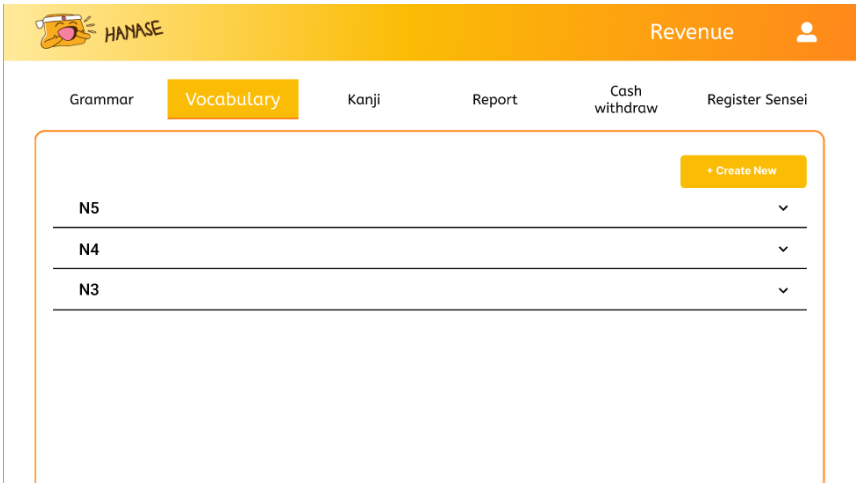
	

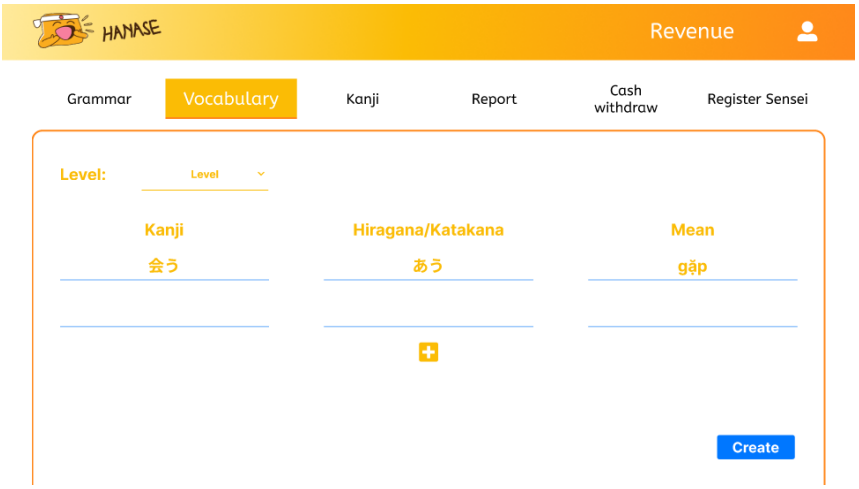
UC ID and Name:	**UC- Delete Grammar**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to delete Grammar which had in the system		
Trigger:	Admin want to delete Grammar which had in the system		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin delete Grammar successfully		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Admin can see and read list of Grammar on the screen 6. Admin press delete button nearby the Grammar to delete it		

Exceptions	None
Priority	High
Frequency	Admin delete Grammar which had in the system successfully
Business Rules	None
Mockup	

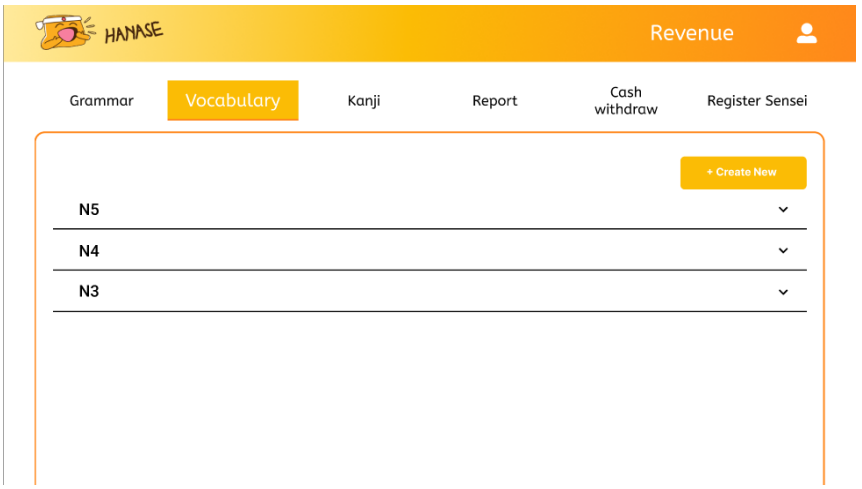
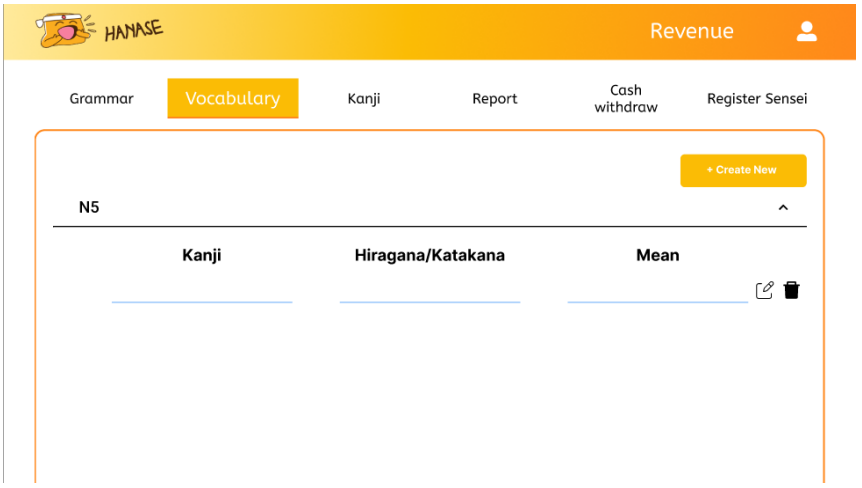
3.5.7 CRUD Vocabulary

UC ID and Name:	**UC-52 Create Vocabulary**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to create new Vocabulary		
Trigger:	Admin want to create new Vocabulary		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin create new Vocabulary successfully		

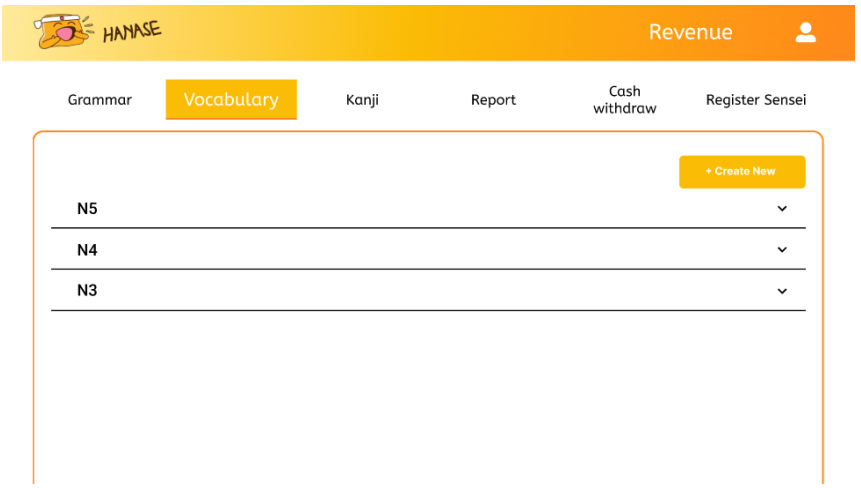
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Admin can create new Vocabulary through “Create New” button 6. Admin fill in new vocabulary and press + button to add new Vocabulary into system and database
Exceptions	None
Priority	High
Frequency	Admin want to create new Vocabulary
Business Rules	BR-04
Mockup	

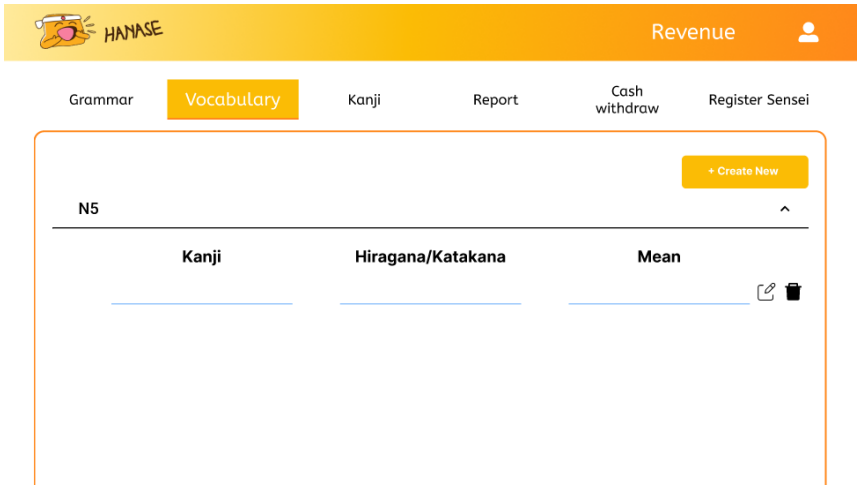
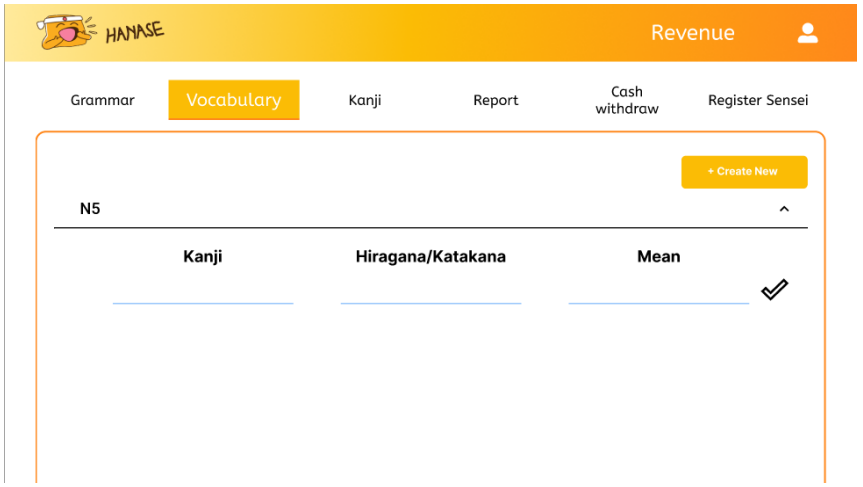
	

UC ID and Name:	**UC-53 Read Vocabulary**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to read Vocabulary		
Trigger:	Admin want to read Vocabulary		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin create new Vocabulary successfully		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Admin can see and read list of Vocabulary on the screen		
Exceptions	None		

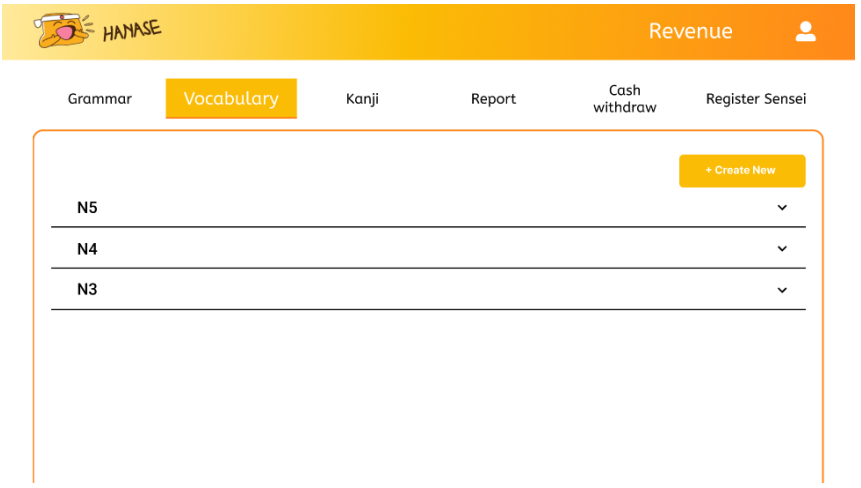
Priority	High
Frequency	Admin want to read Vocabulary
Business Rules	None
Mockup	 

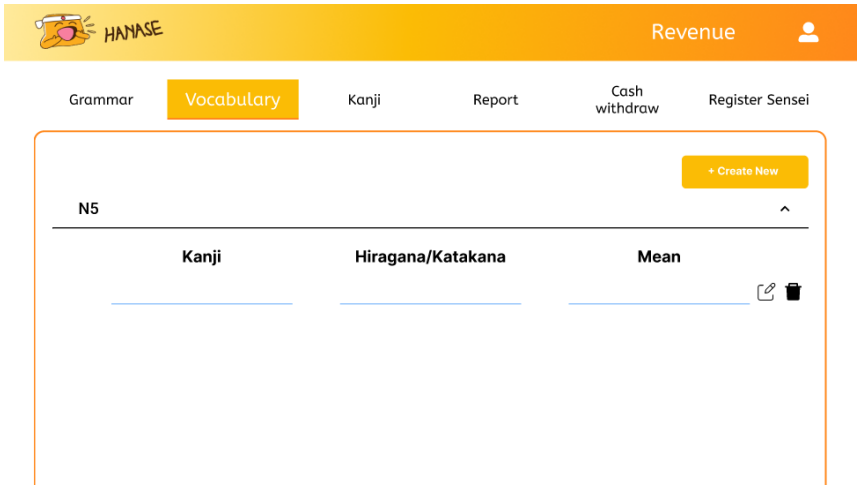
UC ID and Name:	**UC-54 Update Vocabulary**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to update Vocabulary which had in the system		
Trigger:	Admin want to update Vocabulary which had in the system		

Preconditions:	Admin is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Admin can see and read list of Vocabulary on the screen 6. Admin press fix button nearby each Vocabulary to update this. 7. After filling in the update information of Vocabulary, Admin press done-tick button to finish.
Exceptions	None
Priority	High
Frequency	Admin update Vocabulary which had in the system successfully
Business Rules	None
Mockup	

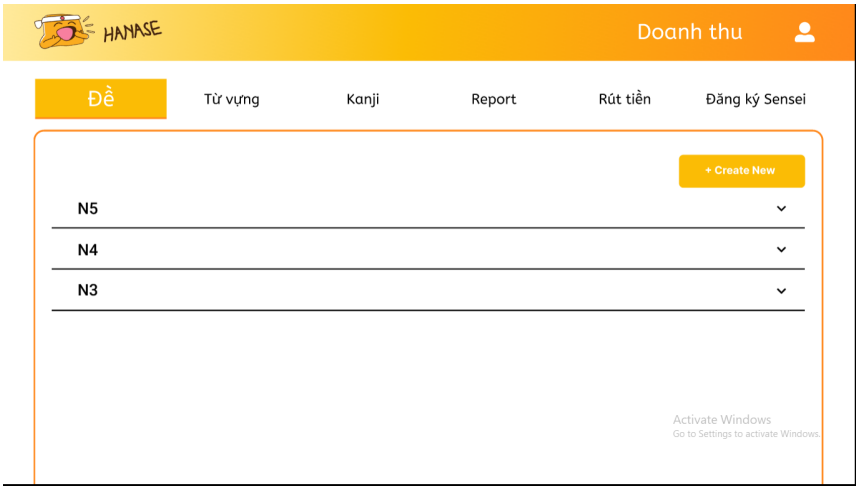
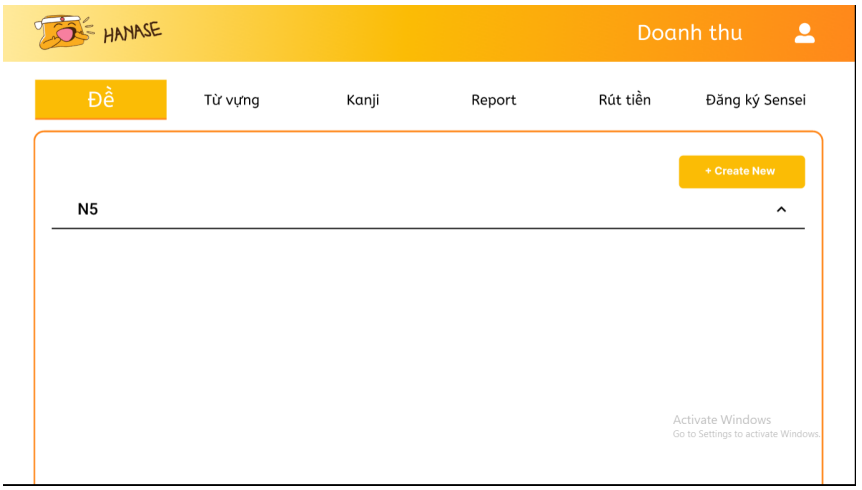
UC ID and Name:	**UC-55 Delete Vocabulary**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to delete Vocabulary which had in the system		
Trigger:	Admin want to delete Vocabulary which had in the system		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	Admin delete Vocabulary which had in the system successfully		

Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Admin can see and read list of Vocabulary on the screen 6. Admin press delete button nearby the Vocabulary to delete it
Exceptions	None
Priority	High
Frequency	Admin want to delete Vocabulary which had in the system
Business Rules	None
Mockup	

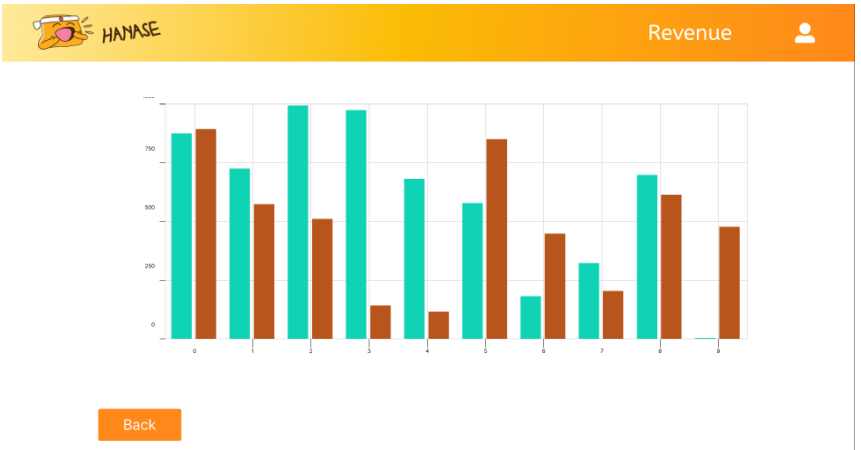
3.5.8 CRUD JLPT sample test

UC ID and Name:	**UC- CRUD JLPT Sample Test**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to CRUD JLPT Sample Test		
Trigger:	Admin want to CRUD JLPT Sample Test		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "JLPT Sample Test" button 4. The system returns the screen showing the list of JLPT Sample Test available on the system 5. Admin can create, read, update, delete JLPT Sample Test on the screen		

Exceptions	None
Priority	High
Frequency	Admin want to CRUD JLPT Sample Test
Business Rules	BR-01
Mockup	 

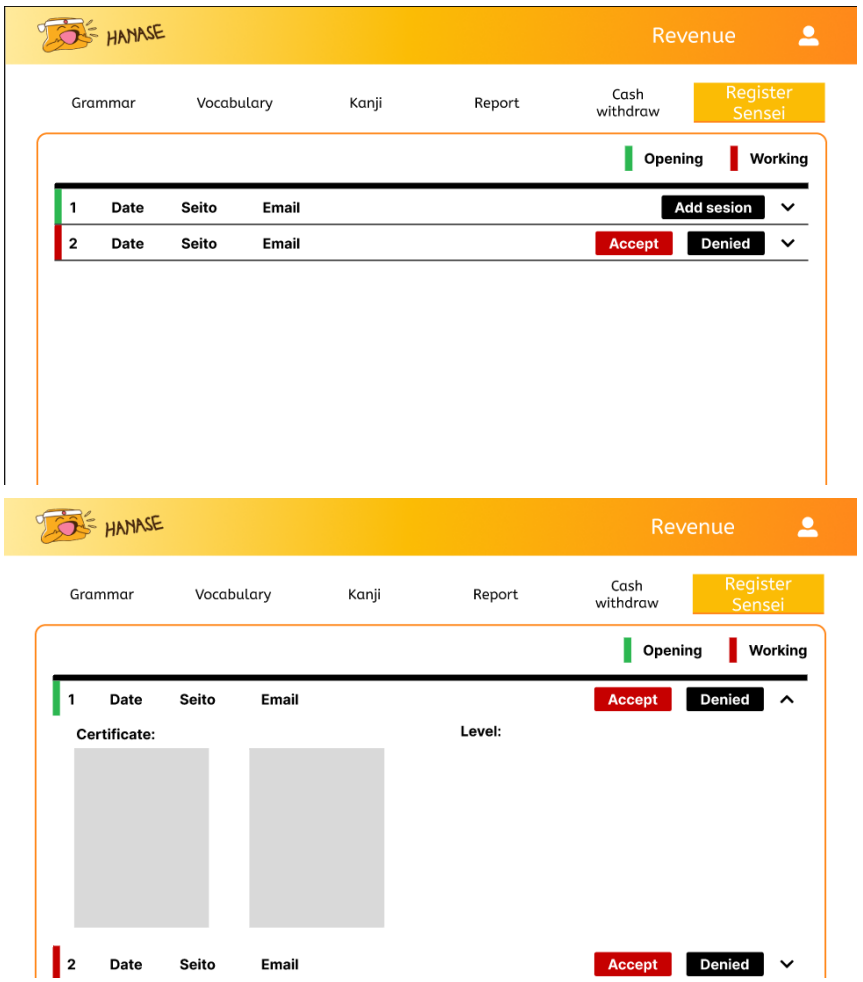
3.5.9 View Sales Chart

UC ID and Name:	**UC-56 View Sales Chart**		
Primary Actor:	Admin	Secondary Actors:	Hanase

Description:	Admin want to view sales chart
Trigger:	Admin want to view sales chart
Preconditions:	Admin is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses the "Sales Chart" button in header bar 4. The system returns the screen of the sales chart revenue
Exceptions	None
Priority	High
Frequency	Admin want to view sales chart
Business Rules	None
Mockup	

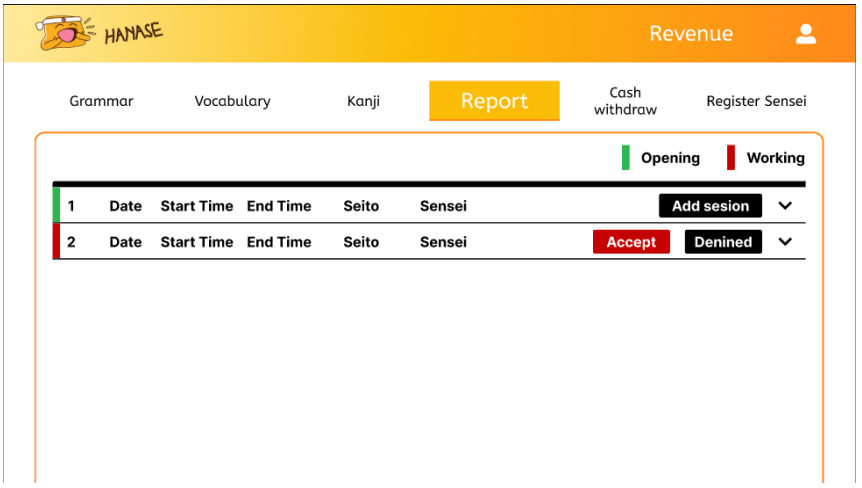
3.5.10 Accept Register Sensei

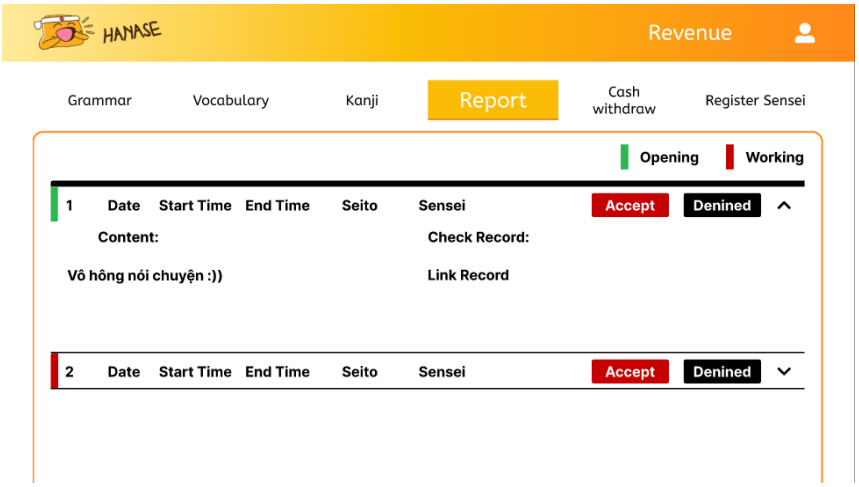
UC ID and Name:	**UC-57 Accept Register Sensei**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to accept register sensei		
Trigger:	Admin want to accept register sensei		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses "Register Sensei" button on title bar 4. The system returns the list of Seito registered as Sensei 5. Admin can view the attached degree information and accept or denie the registration request		
Exceptions	None		
Priority	High		
Frequency	Admin want to accept register sensei		
Business Rules	None		

Mockup	

3.5.11 Check record abuse

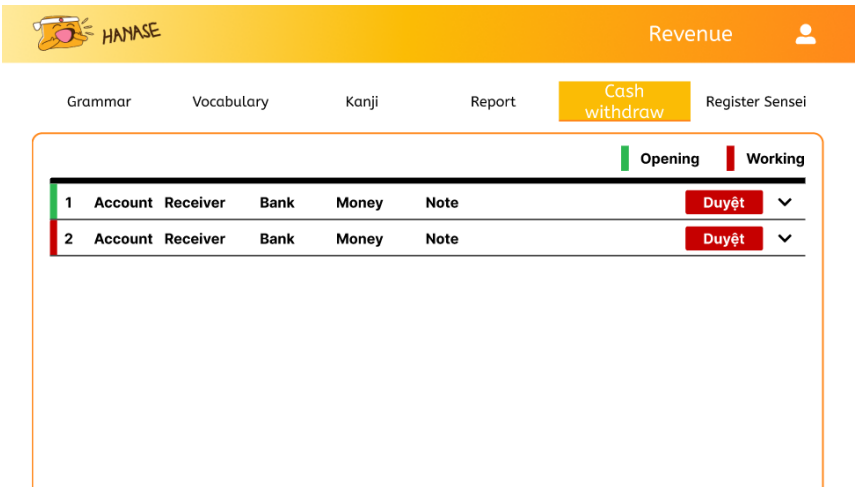
UC ID and Name:	**UC-58 Check record abuse**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to check record abuse		
Trigger:	Admin want to check record abuse		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		

Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses "Report" button on title bar 4. The system returns the list of report abuse 5. Admin can view attached information (report content, video link,...) and can accept or delete report
Exceptions	None
Priority	High
Frequency	Admin want to check record abuse
Business Rules	None
Mockup	

3.5.12 Accept Cash Withdrawal

UC ID and Name:	**UC-59 Accept Cash Withdrawal**		
Primary Actor:	Admin	Secondary Actors:	Hanase
Description:	Admin want to accept cash withdrawal		
Trigger:	Admin want to accept cash withdrawal		
Preconditions:	Admin is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Admin go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Admin presses "Cash Withdrawal" button on title bar 4. The system returns the list of Cash Withdrawal Request 5. Admin can accept any Cash Withdrawal Request they want		
Exceptions	None		

Priority	High
Frequency	Admin want to accept cash withdrawal
Business Rules	None
Mockup	

3.6 Web Owner

3.6.1 Login

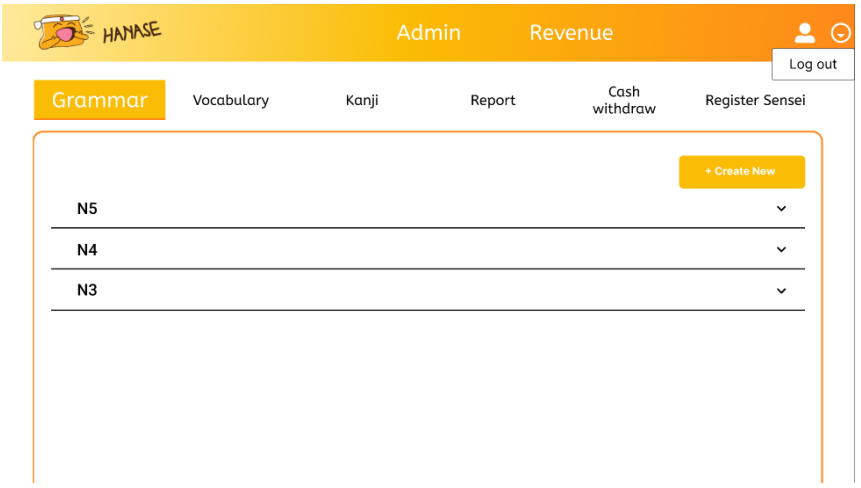
UC ID and Name:	**UC-60 Web owner login Hanase**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	As a Guest, he/she will click on the login button to go to the login page or it will automatically ask him/her to login when he/she clicks to use the services .		
Trigger:	Web owner want to login Hanase System		
Preconditions:	None		
Postconditions:	None		

Normal Flow:	1. User visits Hanase's original homepage 2. User clicks “Login” button and Hanase returns the information filling page 3. User fills in username and password 4. The system checks the username and password entered in the database. 5. The system returns the home page display corresponding to each role of the registered account.
Exceptions	Wrong username or password
Priority	High
Frequency	Web owner want to login Hanase System
Business Rules	None
Mockup	

3.6.2 Logout

UC ID and Name:	**UC- Web owner logout Hanase**

Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to logout Hanase System		
Trigger:	Web owner want to logout Hanase System		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Web owner clicks the drop-down icon next to the ava icon in the header bar 2. Web owner presses the "Log out" button		
Exceptions	None		
Priority	High		
Frequency	Web owner want to logout Hanase System		
Business Rules	None		

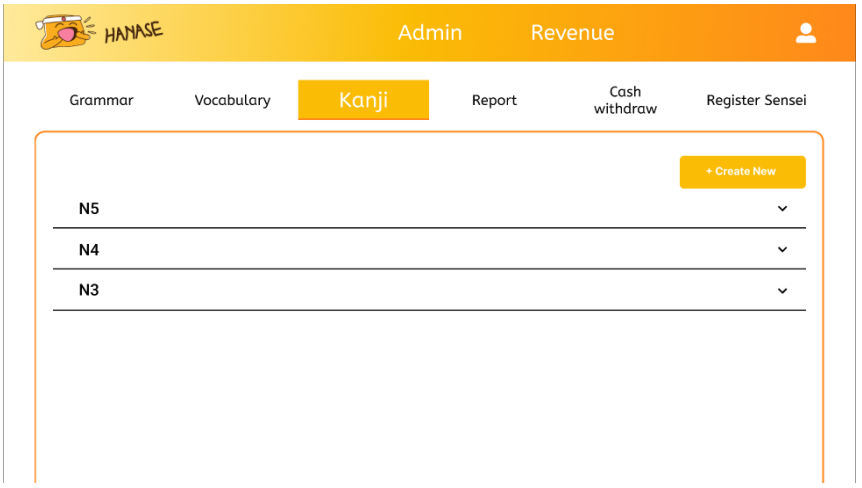
Mockup	

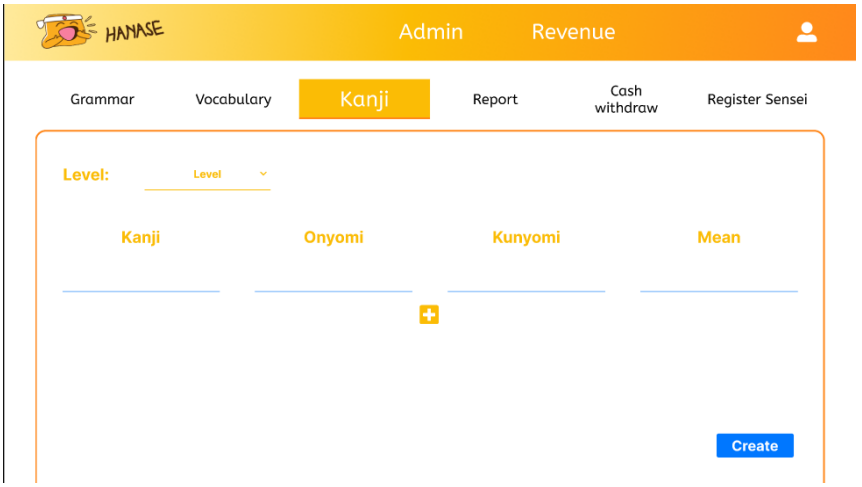
3.6.3 Reset password

3.6.4 Forget password

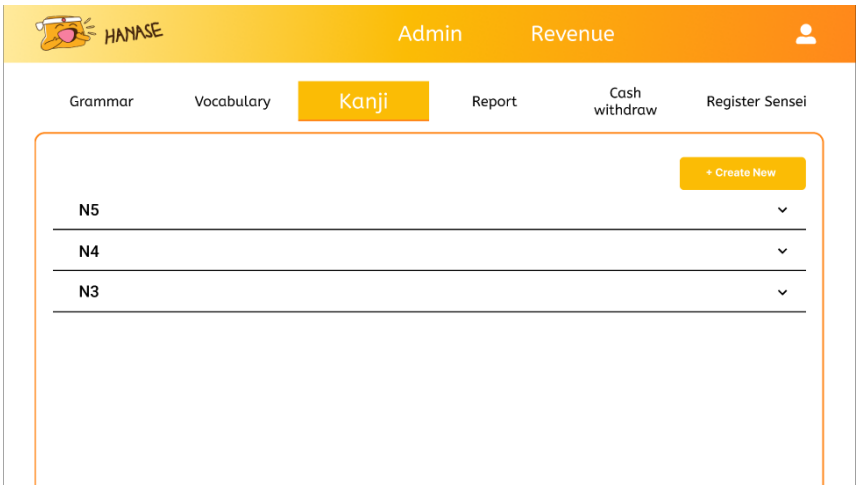
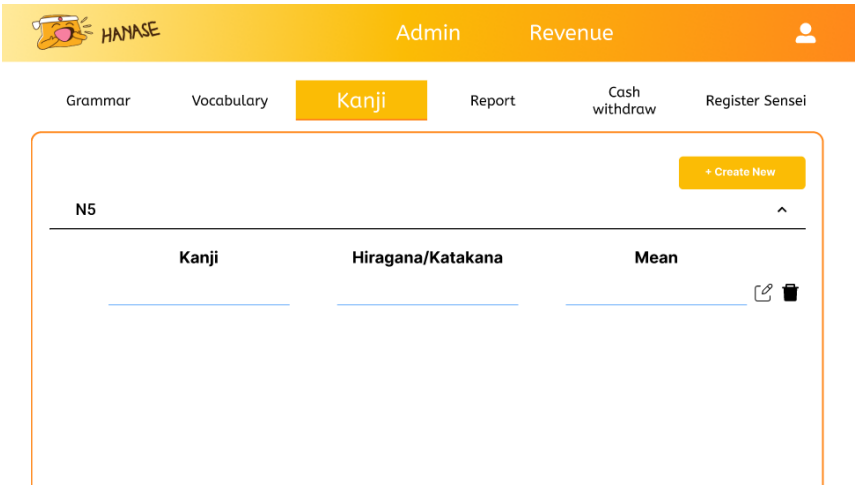
3.6.5 CRUD Kanji

UC ID and Name:	**UC- Create Kanji**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to Create New Kanji		
Trigger:	Web owner want to Create New Kanji		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		

Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Web owner can create new Kanji through “Create New” button 6. Web owner fill in new Kanji and press + button to add new Kanji into system and database
Exceptions	None
Priority	High
Frequency	Web owner want to create new Kanji
Business Rules	BR-01
Mockup	

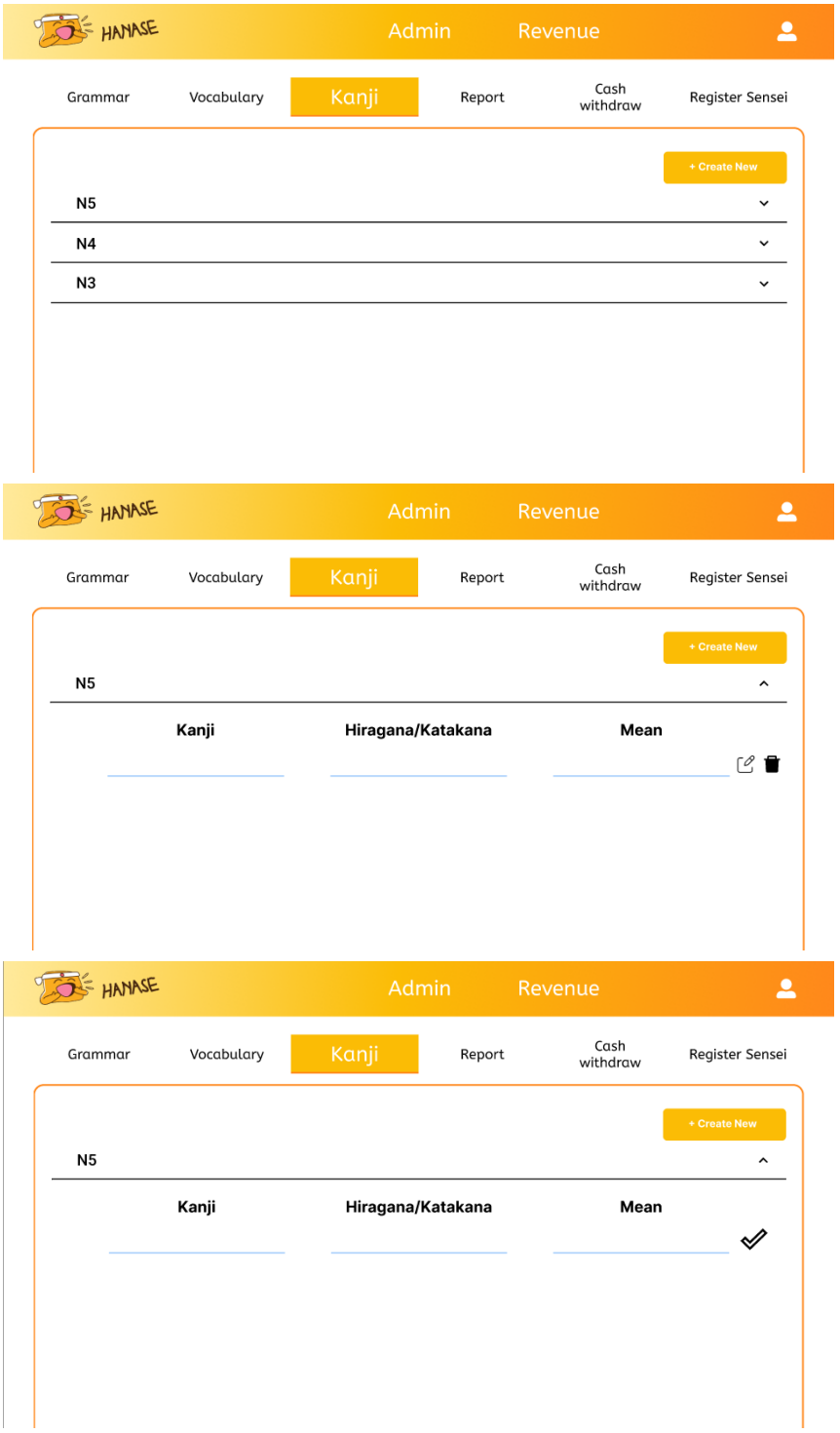
	

UC ID and Name:	**UC-45 Read Kanji**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to read Kanji		
Trigger:	Web owner want to read Kanji		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Web owner can see and read list of Kanji on the screen		
Exceptions	None		

Priority	High
Frequency	Web owner want to read Kanji
Business Rules	None
Mockup	 

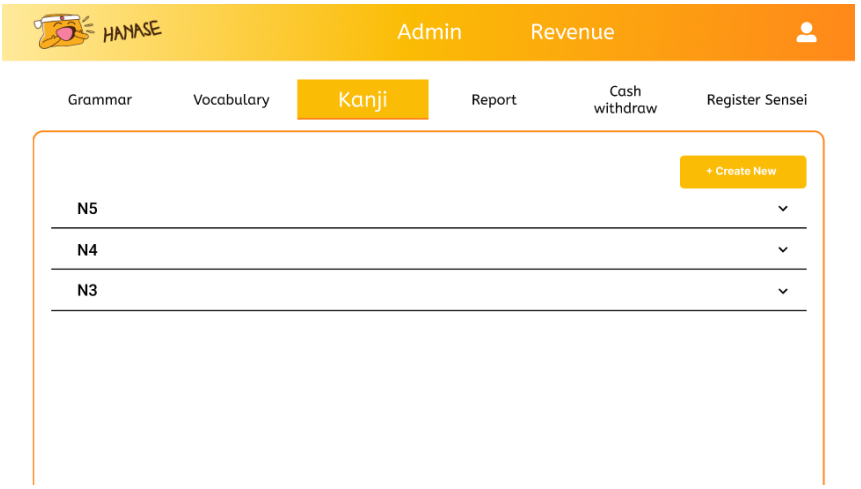
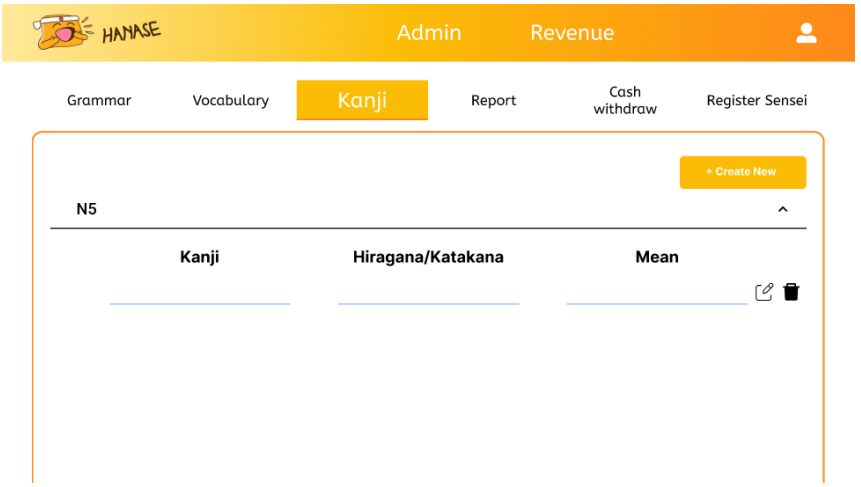
UC ID and Name:	**UC-46 Update Kanji**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to update Kanji which had in the system		
Trigger:	Web owner want to update Kanji which had in the system		

Preconditions:	Web owner is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Web owner can see and read list of Kanji on the screen 6. Web owner press fix button nearby each Kanji to update this. 7. After filling in the update information of Kanji, Web owner press done-tick button to finish.
Exceptions	None
Priority	High
Frequency	Web owner update Kanji which had in the system successfully
Business Rules	None

Mockup	

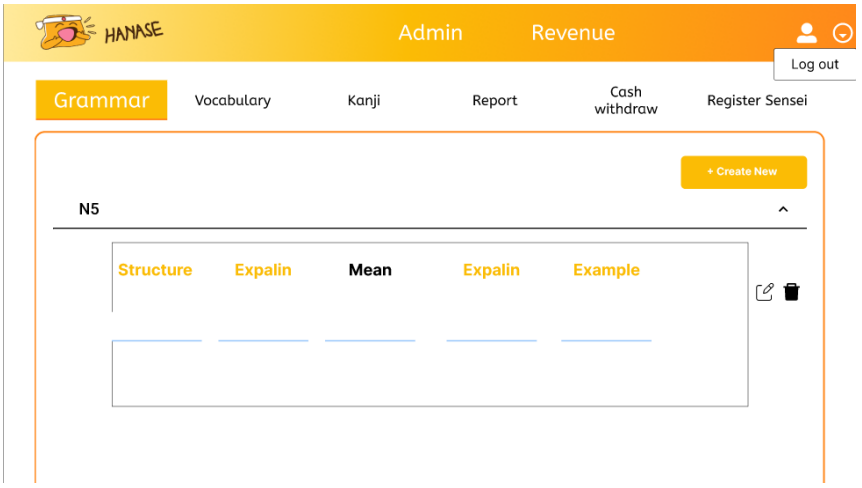
UC ID and Name:	**UC-47 Delete Kanji**		
Primary Actor:	Web owner	Secondary Actors:	Hanase

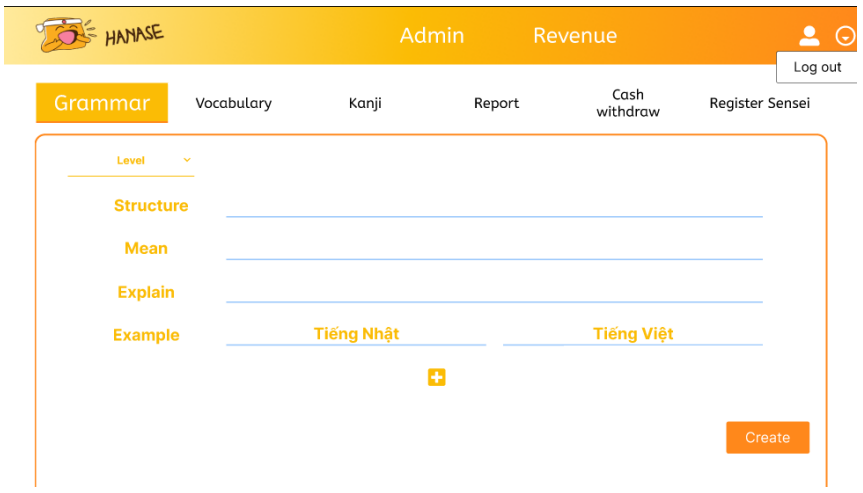
Description:	Web owner want to delete Kanji which had in the system
Trigger:	Web owner want to delete Kanji which had in the system
Preconditions:	Web owner is logged in to Hanase
Postconditions:	Web owner delete Kanji which had in the system successfully
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Kanji" button 4. The system returns the screen showing the list of Kanji available on the system 5. Web owner can see and read list of Kanji on the screen 6. Web owner press delete button nearby the Kanji to delete it
Exceptions	None
Priority	High
Frequency	Web owner want to delete Kanji which had in the system
Business Rules	None

Mockup	 

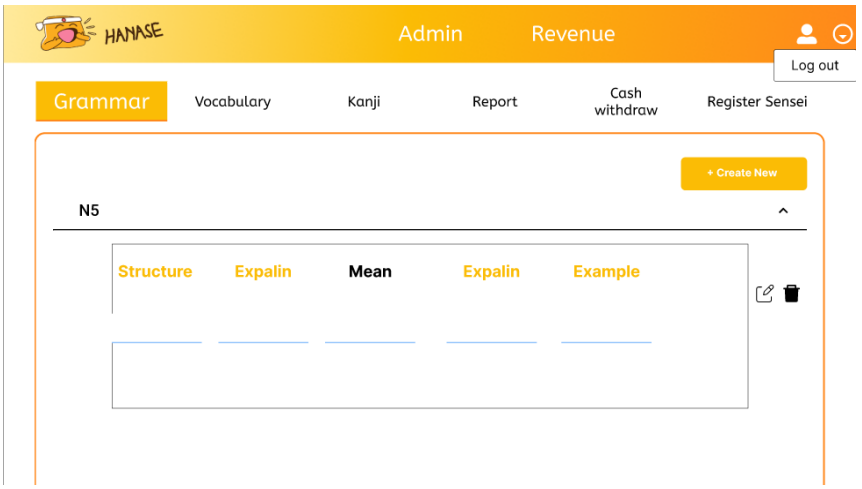
3.6.6 CRUD Grammar

UC ID and Name:	**UC- Create Grammar**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to create new Grammar		
Trigger:	Web owner want to create new Grammar		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner create new Grammar successfully		

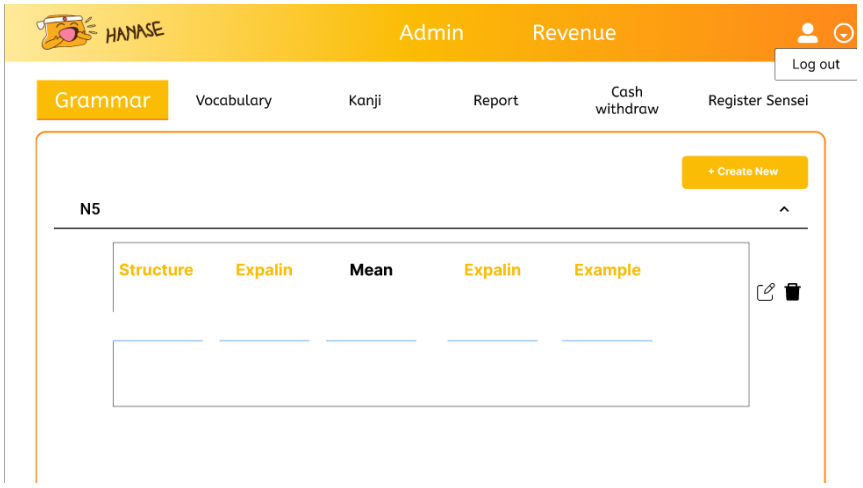
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Web owner can create new Grammar through “Create New” button 6. Web owner fill in new Grammar and press + button to add new Grammar into system and database
Exceptions	None
Priority	High
Frequency	Web owner want to create new Grammar
Business Rules	BR-01
Mockup	

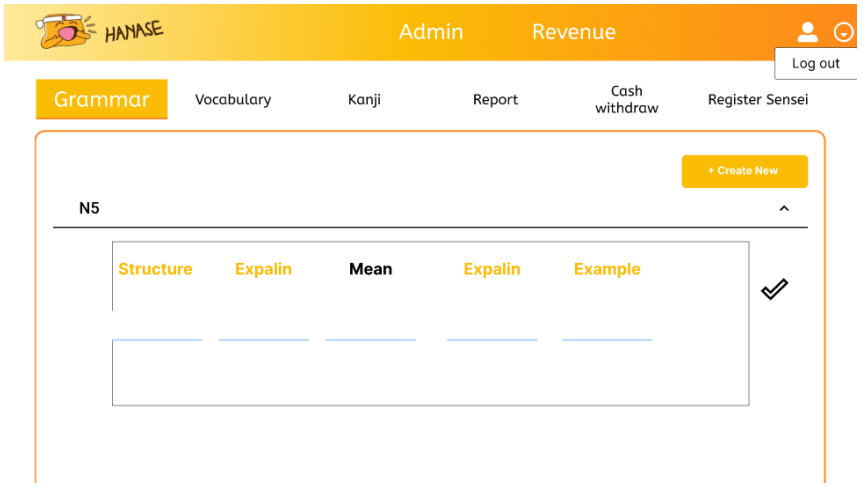
	

UC ID and Name:	**UC- Read Grammar**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to read Grammar		
Trigger:	Web owner want to read Grammar		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner read Grammar successfully		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Web owner can see and read list of Grammar on the screen		
Exceptions	None		

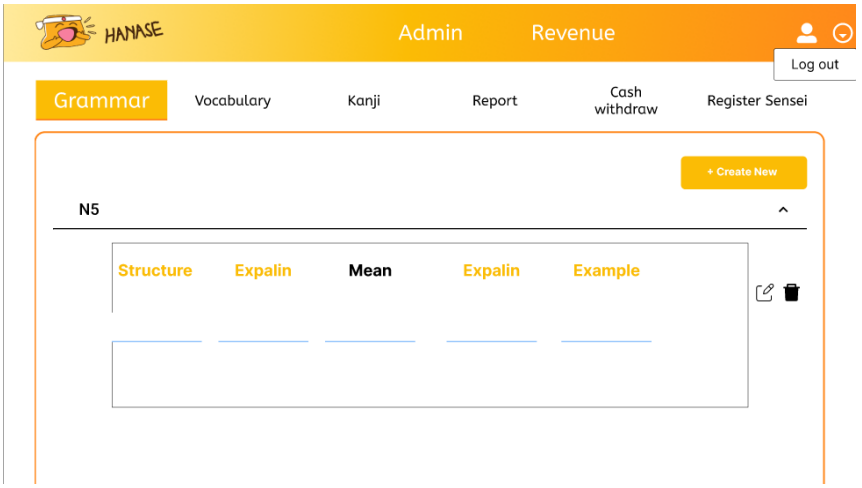
Priority	High
Frequency	Web owner want to read Grammar
Business Rules	None
Mockup	

UC ID and Name:	**UC- Update Grammar**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to update Grammar which had in the system		
Trigger:	Web owner want to update Grammar which had in the system		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner update Grammar successfully		

Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Web owner can see and read list of Grammar on the screen 6. Web owner press fix button nearby each Grammar to update this.
Exceptions	None
Priority	High
Frequency	Web owner update Grammar which had in the system successfully
Business Rules	None
Mockup	

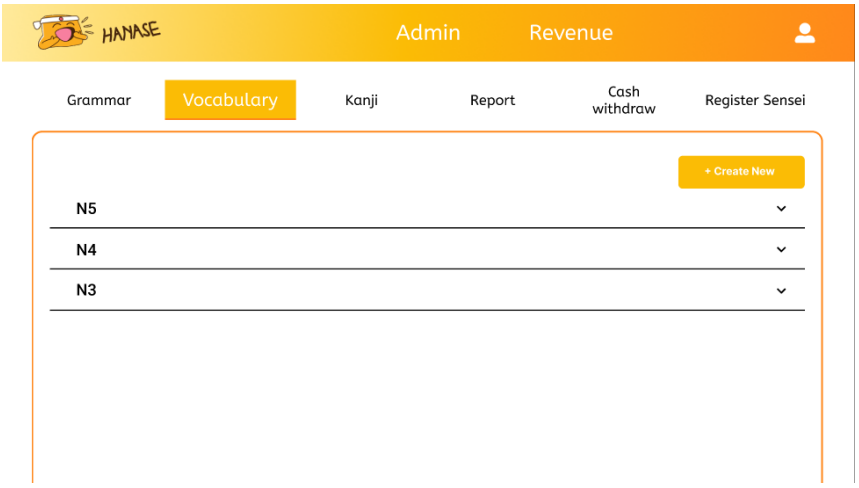
	

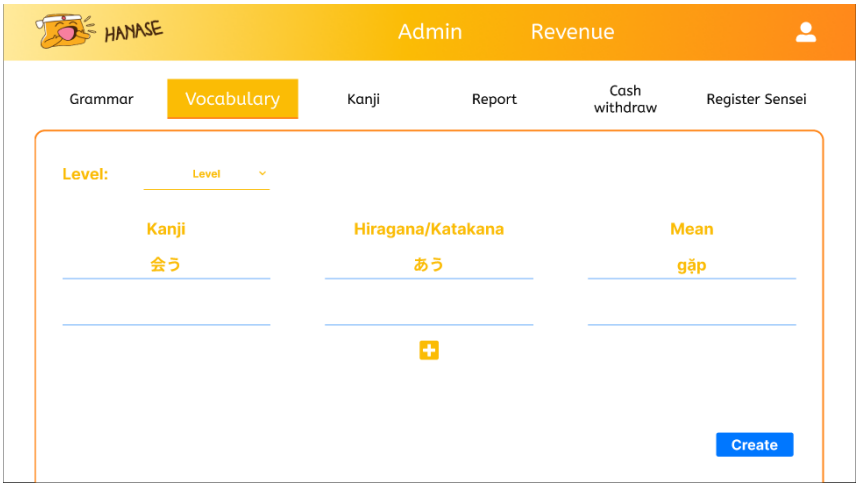
UC ID and Name:	**UC- Delete Grammar**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to delete Grammar which had in the system		
Trigger:	Web owner want to delete Grammar which had in the system		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner delete Grammar successfully		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Grammar" button 4. The system returns the screen showing the list of Grammar available on the system 5. Web owner can see and read list of Grammar on the screen 6. Web owner press delete button nearby the Grammar to delete it		

Exceptions	None
Priority	High
Frequency	Web owner delete Grammar which had in the system successfully
Business Rules	None
Mockup	

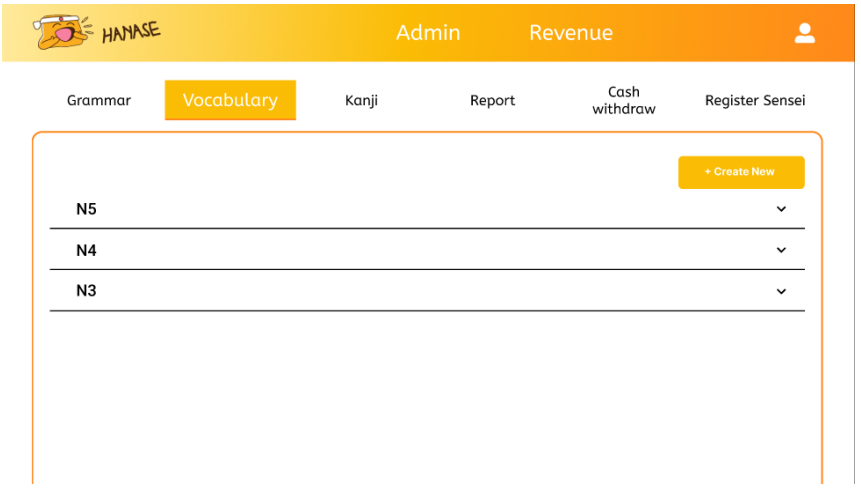
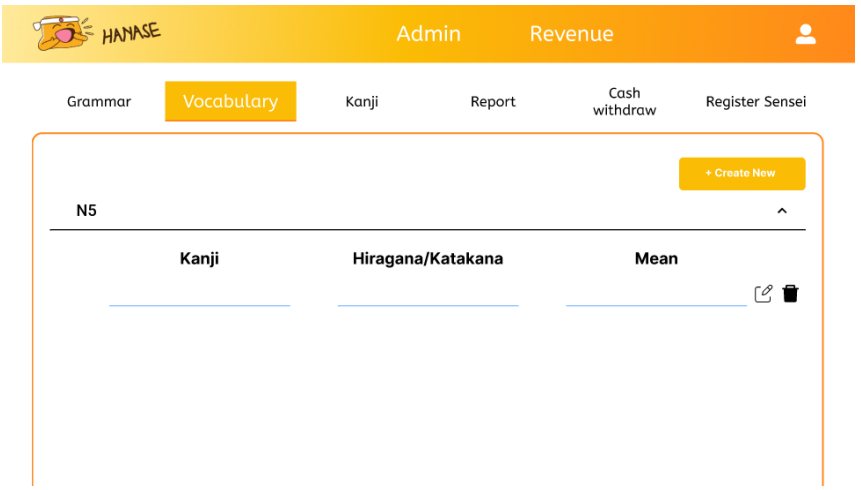
3.6.7 CRUD Vocabulary

UC ID and Name:	**UC-52 Create Vocabulary**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to create new Vocabulary		
Trigger:	Web owner want to create new Vocabulary		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner create new Vocabulary successfully		

Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Web owner can create new Vocabulary through “Create New” button 6. AdWeb owner min fill in new vocabulary and press + button to add new Vocabulary into system and database
Exceptions	None
Priority	High
Frequency	Web owner want to create new Vocabulary
Business Rules	BR-04
Mockup	

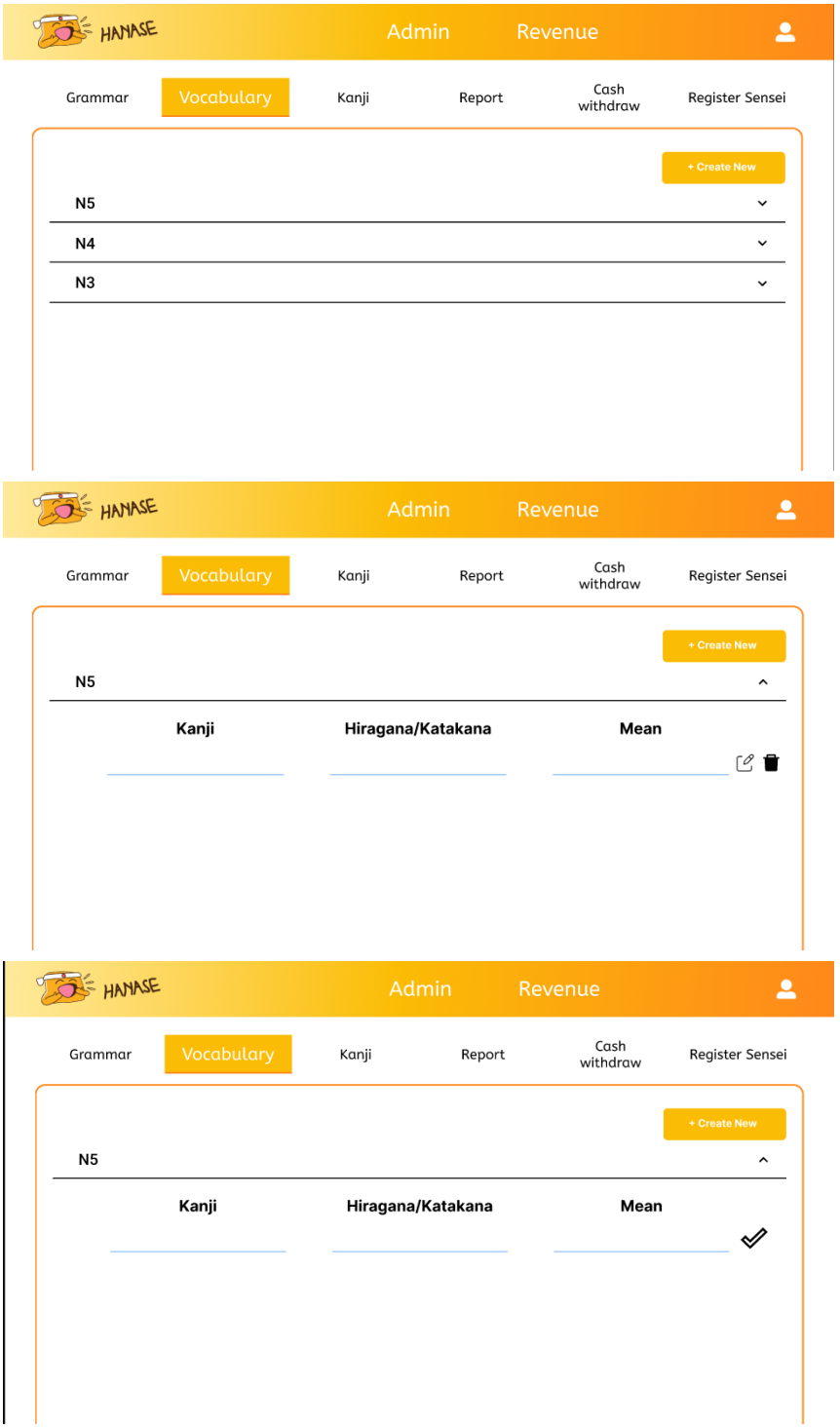
	

UC ID and Name:	**UC-53 Read Vocabulary**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to read Vocabulary		
Trigger:	Web owner want to read Vocabulary		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	Web owner create new Vocabulary successfully		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Web owner can see and read list of Vocabulary on the screen		

Exceptions	None
Priority	High
Frequency	Web owner want to read Vocabulary
Business Rules	None
Mockup	 

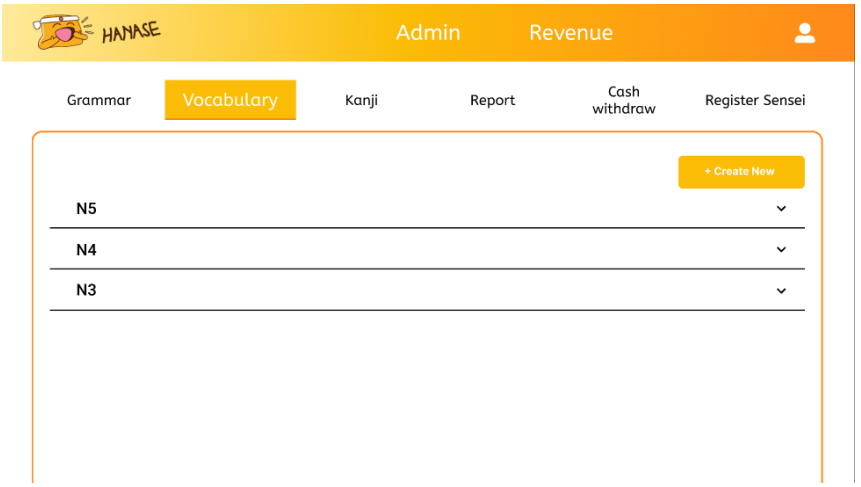
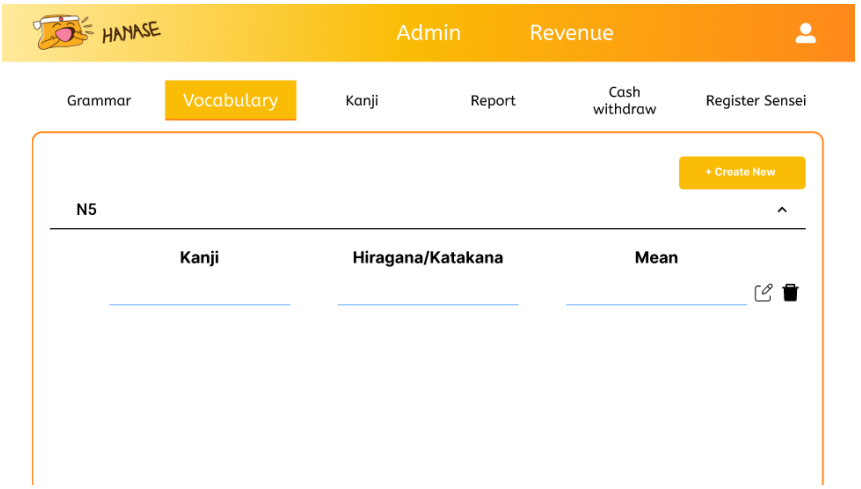
UC ID and Name:	**UC-54 Update Vocabulary**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to update Vocabulary which had in the system		

Trigger:	Web owner want to update Vocabulary which had in the system
Preconditions:	Web owner is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Web owner can see and read list of Vocabulary on the screen 6. Web owner press fix button nearby each Vocabulary to update this. 7. After filling in the update information of Vocabulary, Web owner press done-tick button to finish.
Exceptions	None
Priority	High
Frequency	Web owner update Vocabulary which had in the system successfully
Business Rules	None

Mockup	

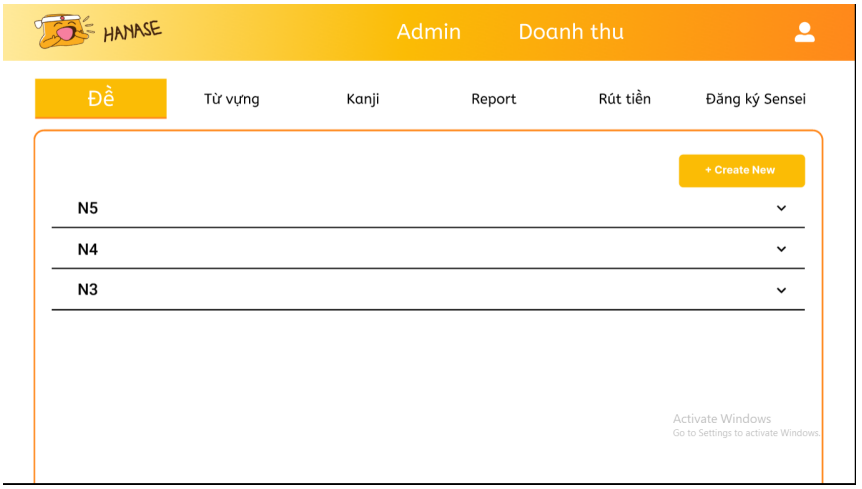
UC ID and Name:	**UC-55 Delete Vocabulary**		
Primary Actor:	Web owner	Secondary Actors:	Hanase

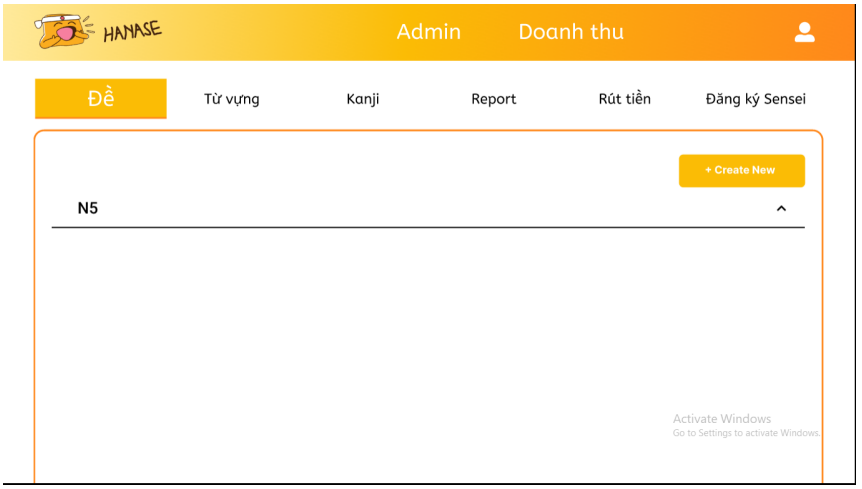
Description:	Web owner want to delete Vocabulary which had in the system
Trigger:	Web owner want to delete Vocabulary which had in the system
Preconditions:	Web owner is logged in to Hanase
Postconditions:	Web owner delete Vocabulary which had in the system successfully
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the Web owner screen 3. Web owner presses the "Vocabulary" button 4. The system returns the screen showing the list of Vocabulary available on the system 5. Web owner can see and read list of Vocabulary on the screen 6. Web owner press delete button nearby the Vocabulary to delete it
Exceptions	None
Priority	High
Frequency	Web owner want to delete Vocabulary which had in the system
Business Rules	None

Mockup	 

3.6.8 CRUD JLPT sample test

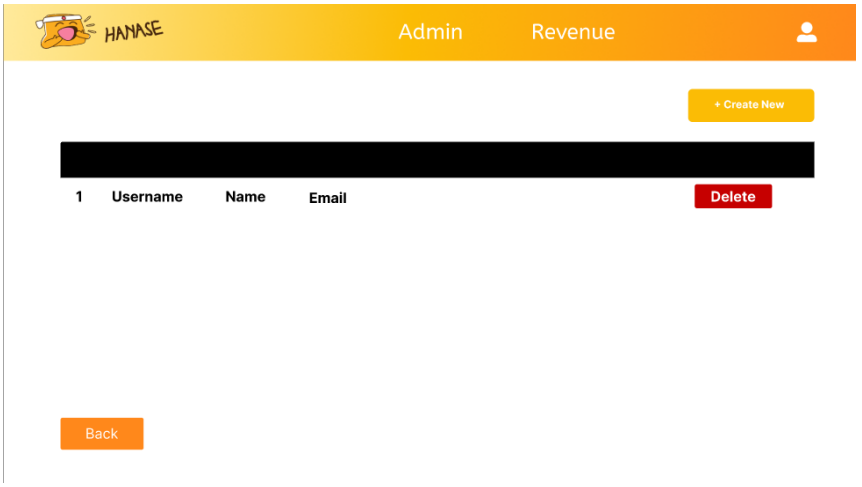
UC ID and Name:	**UC- CRUD JLPT Sample Test**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to CRUD JLPT Sample Test		
Trigger:	Web owner want to CRUD JLPT Sample Test		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		

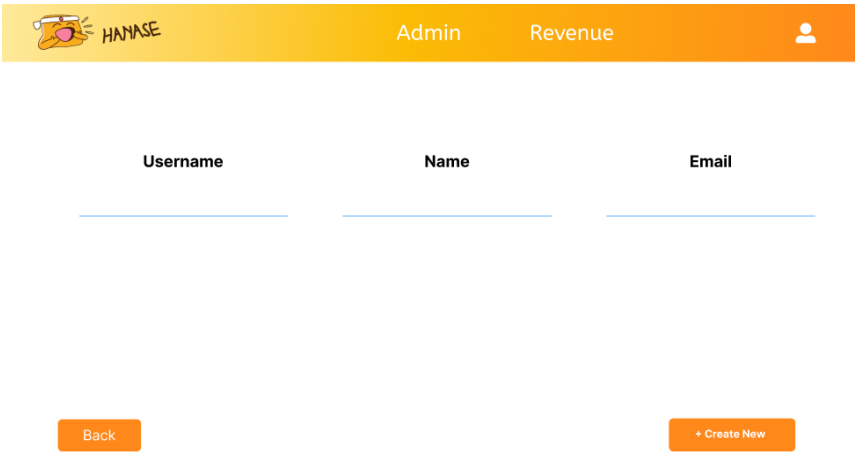
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses the "JLPT Sample Test" button 4. The system returns the screen showing the list of JLPT Sample Test available on the system 5. Web owner can create, read, update, delete JLPT Sample Test on the screen
Exceptions	None
Priority	High
Frequency	Web owner want to CRUD JLPT Sample Test
Business Rules	BR-01
Mockup	

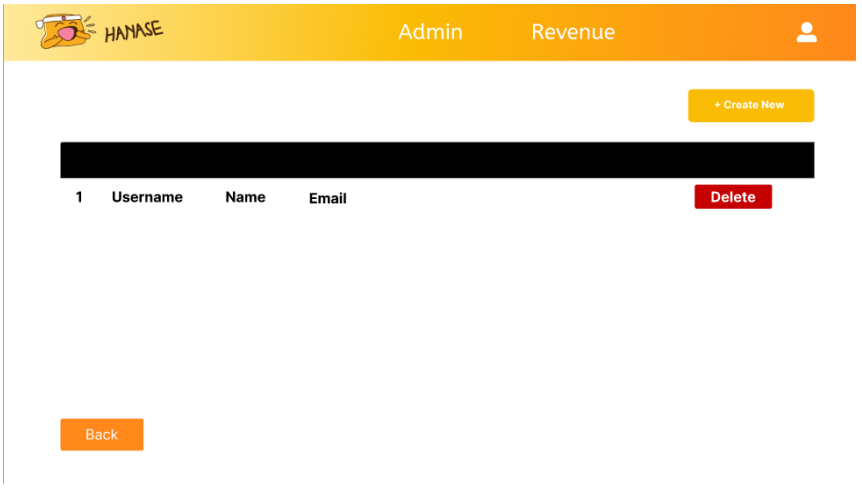
3.6.9 CRUD Admin

UC ID and Name:	**UC- Create Admin**		
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to create new Admin		
Trigger:	Web owner want to create new Admin		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		

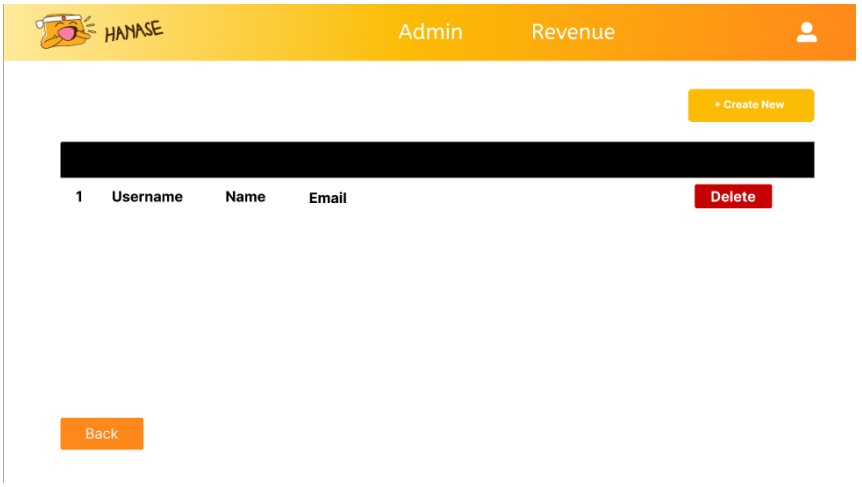
Normal Flow:	1. Web owners go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses "Admin" button on header bar 4. The system returns the screen showing the list of Admin currently on the system 5. Web owner can create new Admin through “Create new” button
Exceptions	None
Priority	High
Frequency	Web owner want to create new Admin
Business Rules	None
Mockup	

UC ID and Name:	**UC- Read Admin**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to read list of Admin		
Trigger:	Web owner want to read list of Admin		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Web owners go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses "Admin" button on header bar 4. The system returns the screen showing the list of Admin currently on the system 5. Web owner can see list of admin in system		

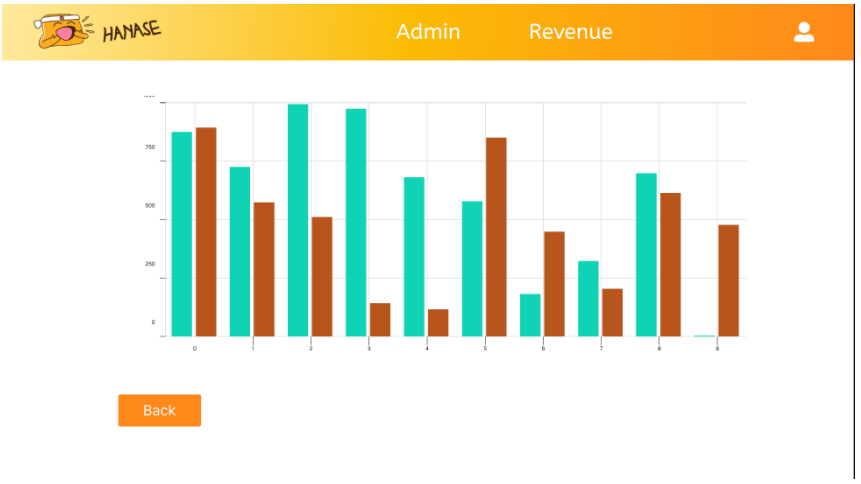
Exceptions	None
Priority	High
Frequency	Web owner want to read list of Admin
Business Rules	None
Mockup	

UC ID and Name:	**UC- Delete Admin**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to delete Admin in system		
Trigger:	Web owner want to delete Admin in system		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		

Normal Flow:	1. Web owners go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses "Admin" button on header bar 4. The system returns the screen showing the list of Admin currently on the system 5. Web owner can delete admin in through “Delete” button
Exceptions	None
Priority	High
Frequency	Web owner want to delete Admin in system
Business Rules	None
Mockup	

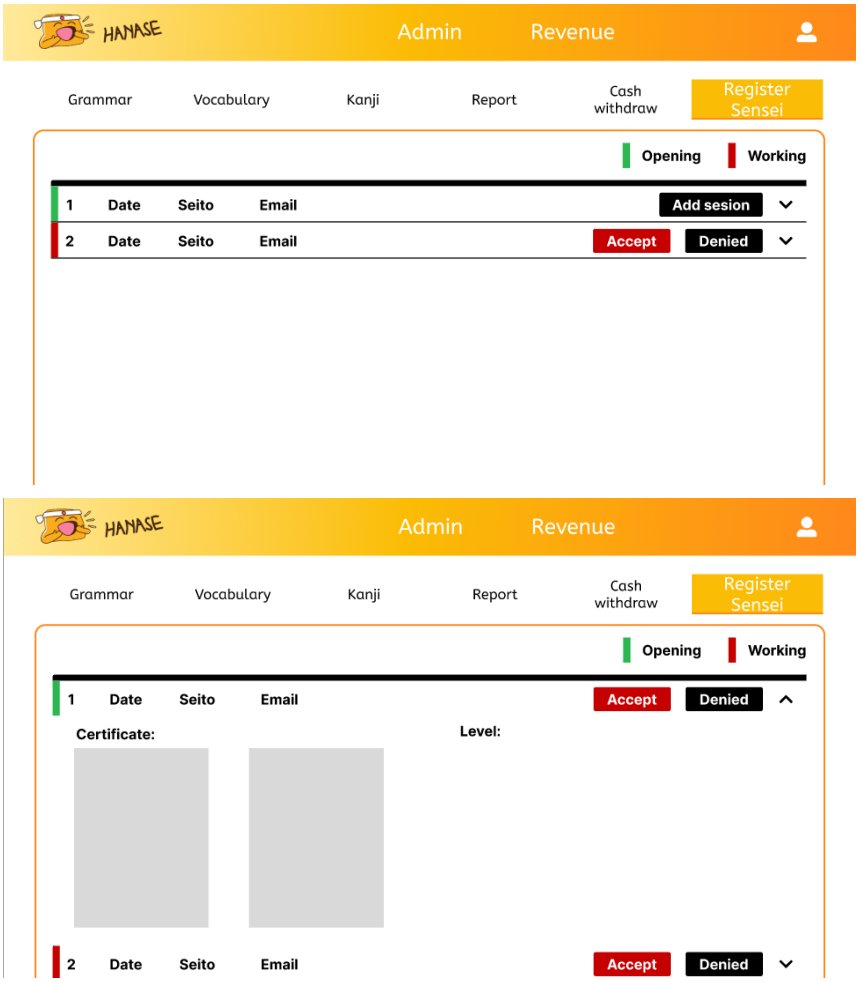
3.6.10 View Sales Chart

UC ID and Name:	**UC- View Sales Chart**		
Primary Actor:	Web owner	Secondary Actors:	Hanase

Description:	Web owner want to view sales chart
Trigger:	Web owner want to view sales chart
Preconditions:	Web owner is logged in to Hanase
Postconditions:	None
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses the "Sales Chart" button in header bar 4. The system returns the screen of the sales chart revenue
Exceptions	None
Priority	High
Frequency	Web owner want to view sales chart
Business Rules	BR-01
Mockup	

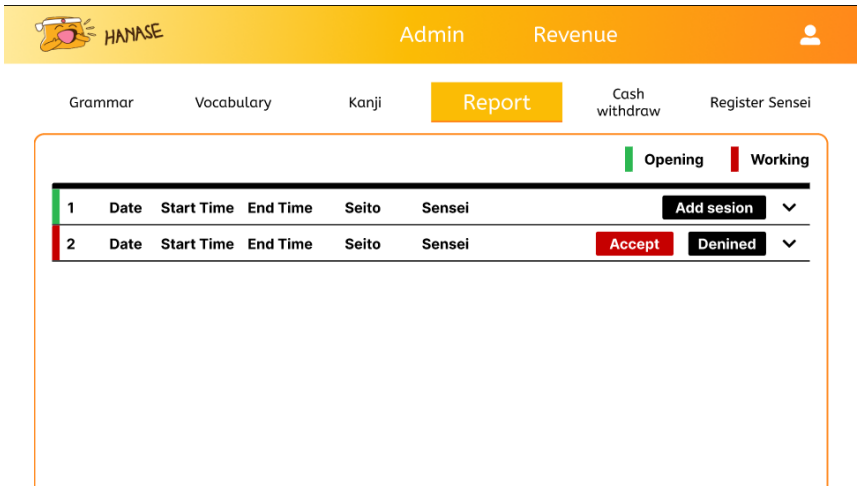
3.6.11 Accept Register Sensei

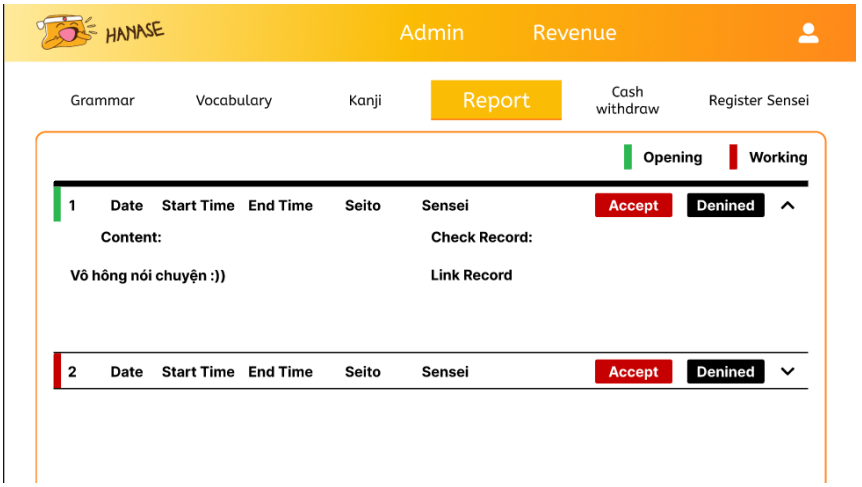
UC ID and Name:	**UC- Accept Register Sensei**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to accept register sensei		
Trigger:	Web owner want to accept register sensei		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses "Register Sensei" button on title bar 4. The system returns the list of Seito registered as Sensei 5. Web owner can view the attached degree information and accept or delete the registration request		
Exceptions	None		
Priority	High		
Frequency	Web owner want to accept register sensei		
Business Rules	None		

Mockup	

3.6.12 Check record abuse

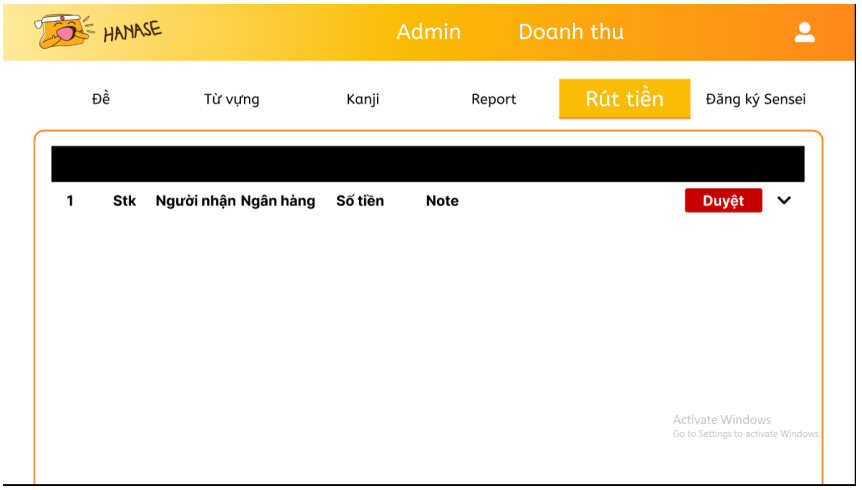
UC ID and Name:	**UC- Check record abuse**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to check record abuse		
Trigger:	Web owner want to check record abuse		
Preconditions:	Web owner is logged in to Hanase		

Postconditions:	None
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin screen 3. Web owner presses "Report" button on title bar 4. The system returns the list of report abuse 5. Web owner can view attached information (report content, video link,...) and can accept or delete report
Exceptions	None
Priority	High
Frequency	Web owner want to check record abuse
Business Rules	None
Mockup	

3.6.13 Accept Cash Withdrawal

UC ID and Name:	**UC- Accept Cash Withdrawal**		
Created By:		Date Created:	
Primary Actor:	Web owner	Secondary Actors:	Hanase
Description:	Web owner want to accept cash withdrawal		
Trigger:	Web owner want to accept cash withdrawal		
Preconditions:	Web owner is logged in to Hanase		
Postconditions:	None		
Normal Flow:	1. Web owner go to Hanase's original homepage and log in 2. Hanase system returns the home page of the admin scretimeen 3. Web owner presses "Cash Withdrawal" button on title bar 4. The system returns the list of Cash Withdrawal Request 5. Web owner can accept or delete request		

Exceptions	None
Priority	High
Frequency	Web owner want to accept cash withdrawal
Business Rules	BR-01
Mockup	

4. Non-Functional Requirements

4.1 External Interfaces

4.1.1 User Interface

1. User friendly interface
2. Easy to use for the first time
3. Ask to confirm before any important action
4. Designed with user-friendly orange and white colors
5. Support English language

4.1.2 Software Interface

1. VNPay
2. MySQL

4.1.3 Hardware Interface

N/A

4.1.4 Communication Interface

1. Firebase chat
2. Web RTC for video conference

4.2 Quality Attributes

4.2.1 Usability

1. Easy to learn: The required training time for a normal user is expected within 3 - 4 hours

2. Engagement: Friendly and suitable for new users.
3. Error Tolerance: High. Each input field would have its own individual validation.
4. Effectiveness: High

4.2.2 Reliability

1. Available: Always
2. Mean time between failure: 3 months
3. Mean time to repair: 30 minutes
4. Bugs or Defect rate: Warning 1%, Critical 0.05%

4.2.3 Performance

1. Response time for a transaction (average, maximum): (1.16s, 1.16s)
2. Throughput: 1000/s
3. Capacity: standard.
4. Can handle 200 video calls at one time

4.2.4 Design Constraints

1. Time constraints: Complete on time
2. Cost constraints: Cost for domain and server
3. Network constraints: Web app should be deployed to allow users to manipulate online
4. Maintenance constraints: Easy to extend or update in the future

4.2.5 Supportability

1. Clean code
2. Readable
3. Maintainable

4.2.6 Support Documents

N/A

5. Requirement Appendix

5.1 Business Rules

ID	Rule Definition
BR-01	After successfully registering as sensei, Seito will change his role in the database to Sensei
BR-02	If Seito want to become a Sensei, Seito must have your level checked by admin/web owner
BR-03	The system will stop transferring money to sensei automatically if a report is sent
BR-04	When asked to select/add/upload necessary information, if one of the attributes/information is missing, the system will not submit and ask to fill it out.
BR-05	Guest can view the theory normally, but to do the quiz/kaiwa, you have to log in
BR-06	When registering an account, confirm the password must match the password entered above

BR-07	The new username registered by the guest/created by the web owner cannot match the username available in the database (the system displays a message that this username is already in use, please enter another username)
BR-08	The teaching fee cannot exceed the amount Seito has at the time of creating the schedule otherwise sensei will not be able to create the schedule vs. Seito
BR-09	When you do the test, you can't exit, but you have to wait for the time to run out, the system will automatically submit the results
BR-10	Making a problem/kaiwa: exiting suddenly=>the result of doing the test can't be saved (reworked from the beginning), kaiwa is bth (because according to BR-08)
BR-11	All new accounts created by guest have a role starting with Seito
BR-12	When seito agrees with sensei on booking a class schedule, after setting the schedule on the system, the seito money will be deducted immediately (the amount is still kept on the system...)
BR-13	Sensei requests to withdraw money, the amount entered to withdraw cannot be larger than the amount Sensei has on the system

5.2 Common Requirements

1. Supports PNG, JPG, JPEG image file format, maximum image size 10MB

2. Data in the form of lists, tables, etc. will be displayed as data tables/paging supported

3. The user uploads degree images (image format data) by clicking the upload button, opening the file selection dialog and selecting the image from the image format dialog

4. On each web page, there should be no more than 3 fonts displayed

5. All changes, updates, and modifications are alerted by pop-up, Ant library and Ant Alert library.

5.3 Application Messages List

#	Message code	Message Type	Context	Content
1	MSG01	Toast Message	Notice of success when registering an account/edit/submit	**Successfully*
2	MSG02	In red, under the text box	Input-required fields are empty	*The * field is required.*
3	MSG03	Toast message	Updating asset(s) information successfully	*Update asset(s) successfully.*
4	MSG04	Toast message	Adding new asset successfully	*Add assets successfully.*

5	MSG05	Toast message	Confirming email of asset hand-over is sent successfully	*A confirmation email has been sent to {email_address}.*
6	MSG06	Toast message	Resetting asset information successfully	*Return asset(s) successfully.*
7	MSG07	Toast message	Deleting asset information successfully	*Delete asset(s) successfully.*
8	MSG08	In red, under the text box	Input value length > max length	*Exceed max length of {max_length}.*
9	MSG09	In line	Username or password is not correct when clicking sign-in	*Incorrect username or password. Please check again.*

5.4 Other Requirements…

N/A