**User requirement specification**

URS-01: User can sign in using their email and password

URS-02: User can sign up the account

URS-03: User can query the insurance word

URS-04: User can test their knowledge by doing a test

URS-05: User can watch the video explainers

**System requirement specification**

SRS-01: System provide sign in page with 2 text boxes to input mail and password [UI-02]

SRS-02: System provide sign in button to login to home page

SRS-03: System provide sign up button to go to sign up page

SRS-04: System provide sign up page with 4 text boxes to input name, email, password and confirm password

SRS-05: System provide sign up button to sign up the account then go to home page

SRS-06: System provide sign in button to go to login page

SRS-07: System provide search box to let user search for insurance word on the home page

SRS-08: System showing the information of the word according to the input

SRS-09: System provide progress tracking button on the home page

SRS-10: System provide information of progress tracking page when user click on progress tracking button on the home page

SRS-11: System provide a start test button to go to test page

SRS-12: System provide a question with the choice and the countdown time which in the form of bar

SRS-13: If user answer in the correct answer, system showing the green rectangle around the answer

SRS-13: If user answer in the wrong answer, system showing the red rectangle around the user answer and the green rectangle around the answer which is correct

SRS-14: System provide summarize score from the test

SRS-15: System provide video explainer button on the home page

SRS-16: System provide information of video explainer page when user click on video explainer button on the home page

SRS-17: System provide button which is link to video according to the topic

SRS-18: System provide video page which have the video and the information

SRS-19: System provide personalized recommendations button on the home page

SRS-20: System provide personalized recommendations page with 5 text boxes to input first name, last name, birthday, gender and insurance interests

SRS-21: System provide confirm button which use to confirm the information from the input

SRS-22: System provide notification to confirm the information again

SRS-23: System provide confirmation page with the detail

**Use case diagrams**

**รูปภาพประกอบด้วย ร่าง, การวาดภาพ, แผนภาพ, ไลน์

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**Use case description**

**UC-01: User sign-in into the system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-01 | | | |
| Use Case Name | User sign-in into the system | | | |
| Created By | Supakin Fraser | | Last Update By | Supakin Fraser |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | User sign-in to the system using their email and password. | | | |
| Trigger | User click on the sign-in button on the home page | | | |
| Preconditions | User must have a registered account. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| email | string | Valid email format | | user@example.com |
| password | string | At least 8 characters | | 12345678 |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 1.Opens the system.  4. Enters their email and password.  [4A user enters an invalid email or invalid password]  5. Clicks on the sign-in button.  [5A user click on sign-up button] | | 2. Displays the sign-in page with input fields for email and password.  6.Navigate to home page. | |
| Alternative Flow | 4A. If the user enters an invalid email format or incorrect password, the system displays an error message.  5A. System navigate to sign-up page | | | |
| Exception Flow | - | | | |
| Assumption | * User has an account. * User has an internet connection. | | | |

**URS-01: User can sign in using their email and password**

* SRS-01: System provide sign in page with 2 text boxes to input mail and password [UI-02]
* SRS-02: System provide sign in button to login to home page [UI-02]
* SRS-03: System provide sign up button to go to sign up page [UI-02]

**UC-02: User sign-up into the system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-02 | | | |
| Use Case Name | User sign-up into the system | | | |
| Created By | Supakin Fraser | | Last Update By | Supakin Fraser |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | User sign-up the new account to the system. | | | |
| Trigger | User click on sign-up button | | | |
| Preconditions | User does not have an existing account. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| name | string | At least 2 characters | | John Doe |
| email | string | Valid email format | | user@example.com |
| password | string | At least 8 characters | | 12345678 |
| confirm\_password | string | Matches the password field | | 12345678 |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 1.Opens the system.  3. Enters their name, email, password, and confirms the password  [3A user enters name less than 2 character]  [3B user enters an invalid email format]  [3C user enters password less than 8 characters]  [3D user enters confirms password that not match with the previous password]  5. Clicks on the sign-up button. | | 2. Displays the sign-up page with input fields for name, email, password, and confirm password.  6.Navigate to home page. | |
| Alternative Flow | 3A. The system displays an error message that, user input name less than 2 character  3B. The system displays an error message that, user input an invalid email format  3C. The system displays an error message that, user input password less than 8 character  3D. The system displays an error message that, user confirm password not match with the previous password | | | |
| Exception Flow | - | | | |
| Assumption | * User has an internet connection. | | | |

**URS-02: User can sign up the account**

* SRS-04: System provide sign up page with 4 text boxes to input name, email, password and confirm password [UI-03]
* SRS-05: System provide sign up button to sign up the account then go to home page [UI-03]
* SRS-06: System provide sign in button to go to login page [UI-03]

**UC-03: User query insurance word**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-03 | | | |
| Use Case Name | User query insurance word | | | |
| Created By | Supakin Fraser | | Last Update By | Supakin Fraser |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | User search for the insurance on the system | | | |
| Trigger | User input insurance word in the search box | | | |
| Preconditions | User is logged in. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| search\_term | string | It must be any word related with insurance | | Health Insurance |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 2. Enter insurance word in the search box | | 1. Displays the home page with a search box.  3. The system retrieves and displays information about the word. | |
| Alternative Flow | - | | | |
| Exception Flow | - | | | |
| Assumption | * User has an internet connection. | | | |

**URS-03: User can query the insurance word**

* SRS-07: System provide search box to let user search for insurance word on the home page [UI-04]
* SRS-08: System showing the information of the word according to the input [UI-04]

**UC-04: User test knowledge about insurance**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-04 | | | |
| Use Case Name | User test knowledge about insurance | | | |
| Created By | Supakin Fraser | | Last Update By | Supakin Fraser |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | User test their knowledge about insurance by doing a test on the system | | | |
| Trigger | User click on start test button | | | |
| Preconditions | User is logged in. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| answer | string | It must be the choice of answer on each question | | A |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 1. Click on progress tracking button on the home page    3. Click on start test button  4. Click on the answer  [4A. Click on incorrect answer] | | 2.Naviagate and display information of progress tracking page.  4.Naviagate to test page  5. Summarize score | |
| Alternative Flow | 4A. Showing the red rectangle around the user answer and the green rectangle around the answer which is correct | | | |
| Exception Flow | - | | | |
| Assumption | * User has an internet connection. | | | |

**URS-04: User can test their knowledge by doing a test**

* SRS-09: System provide progress tracking button on the home page [UI-04]
* SRS-10: System provide information of progress tracking page when user click on progress tracking button on the home page [UI-13]
* SRS-11: System provide a start test button to go to test page [UI-13]
* SRS-12: System provide a question with the choice and the countdown time which in the form of bar [UI-14][UI-16]
* SRS-13: If user answer in the correct answer, system showing the green rectangle around the answer [UI-15]
* SRS-14: If user answer in the wrong answer, system showing the red rectangle around the user answer and the green rectangle around the answer which is correct [UI-17]
* SRS-15: System provide summarize score from the test [UI-18]

**UC-05: User Access Video Explainers**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-05 | | | |
| Use Case Name | User Access Video Explainers | | | |
| Created By | Suphakin Fraser | | Last Update By | Yanwarut Suksawat |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | This use case describes how a user can access video explainers on insurance topics. | | | |
| Trigger | User wants to watch video explainers. | | | |
| Preconditions | User is logged in. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| topic | string | The topic is the topic that is provided by the application | | Claim process |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 1. Clicks on the "Video Explainers" button at the home button.  3. User selects a topic and clicks on a video. | | 2. Display a list of video topics    4. Play selected video. | |
| Alternative Flow | - | | | |
| Exception Flow | - | | | |
| Assumption | User has an internet connection. | | | |

**URS-05: User can watch the video explainers**

* SRS-16: System provide video explainer button on the home page [UI-04]
* SRS-17: System provide information of video explainer page when user click on video explainer button on the home page [UI-08]
* SRS-18: System provide button which is link to video according to the topic [UI-08]
* SRS-19: System provide video page which have the video and the information [UI-09]

**UC-06: User Give Recommendation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-06 | | | |
| Use Case Name | User Give Recommendation | | | |
| Created By | Suphakin Fraser | | Last Update By | Yanwarut Suksawat |
| Date Created | 18/09/2023 | | Last Revision Date | 18/09/2023 |
| Actors | User | | | |
| Description | This use case describes the process of a user providing recommendations to the system. | | | |
| Trigger | User wants to give recommendations. | | | |
| Preconditions | User is logged in. | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| First name | string | At least 2 characters | | John |
| Last name | string | At least 2 characters | | Doe |
| Birthday | date | Valid date format | | 01/15/1990 |
| Gender | string | Male, Female, Other | | Male |
| Insurance interests | string | Must be topics about insurance that users are interested in | | Health, Auto, Home |
| Post conditions | - | | | |
| Normal Flows | User | | System | |
|  | 1. Clicks on the "Personalized Recommendations" button.  3. Enters their first name, last name, birthday, gender, and insurance interests.  [5A. users enter invalid information]  4. Clicks the "Confirm" button.  6. User confirms the information. | | 2.) Show the input personalize recommendation page  5. System displays a notification to confirm the information.  7 System stores the user's preferences for personalized recommendations. | |
| Alternative Flow | 5A.If the user enters invalid information, the system displays an error message. | | | |
| Exception Flow | - | | | |
| Assumption | User has an internet connection. | | | |

**URS-06: User can give recommendation**

* SRS-20: System provide personalized recommendations button on the home page [UI-04]
* SRS-21: System provide personalized recommendations page with 5 text boxes to input first name, last name, birthday, gender and insurance interests [UI-10]
* SRS-22: System provide confirm button which use to confirm the information from the input [UI-10]
* SRS-23: System provide notification to confirm the information again [UI-11]
* SRS-24: System provide confirmation page with the detail [UI-12]

**Activity Diagrams**

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, ตัวอักษร, ไลน์

คำอธิบายที่สร้างโดยอัตโนมัติ

Function Language Translate

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, แผนภาพ, ออกแบบ

คำอธิบายที่สร้างโดยอัตโนมัติ

Function Progress Tracking

รูปภาพประกอบด้วย ภาพหน้าจอ, ข้อความ, แผนภาพ, ตัวอักษร

คำอธิบายที่สร้างโดยอัตโนมัติ

Function Video Explainers

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, ตัวอักษร, ไลน์

คำอธิบายที่สร้างโดยอัตโนมัติ

Function Personalized Recommendations

**Non-Functional Requirement**

1. Response Time

* The system should respond to user requests, such as sign up, sign in, search, etc., within two seconds.

1. Scalability

* The system should be able to handle at least 10,000 concurrent responses simultaneously.

1. Security

* User data should be encrypted.

1. Availability

* The system should be available 24/7

1. Look and feel

* Using #5F53A5 as the header and #FFFFFF as the background.

**UI (Prototype)**

UI-01 UI-02 UI-03

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, กราฟิก, การ์ตูน

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คำอธิบายที่สร้างโดยอัตโนมัติ

UI-04 UI-05 UI-06

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คำอธิบายที่สร้างโดยอัตโนมัติ

UI-07 UI-08 UI-09

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, มัลติมีเดีย, อุปกรณ์สื่อสาร

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คำอธิบายที่สร้างโดยอัตโนมัติ

UI-10 UI-11 UI-12

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, หน้าเว็บ, เว็บไซต์

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คำอธิบายที่สร้างโดยอัตโนมัติ

UI-13 UI-14 UI-15

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, หน้าเว็บ, เว็บไซต์

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คำอธิบายที่สร้างโดยอัตโนมัติ

UI-16 UI-17 UI-18

รูปภาพประกอบด้วย ข้อความ, ภาพหน้าจอ, มัลติมีเดีย, ตัวอักษร

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คำอธิบายที่สร้างโดยอัตโนมัติ

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