DATE 10/12/2021

Version 1.0

*Prepared by*

Nguyễn Văn Đạt – 19521347

**BUSINESS REQUIREMENTS,**

Prepared for Ahihi App

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Author** | **Change Description** |
| 027/011/2021 | 0.1 | Nguyễn Văn Đạt | Initial creation |
|  |  |  |  |
|  |  |  |  |

**Approval**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Approver Name** | **Position** |
|  | 0.1 |  |  |
|  | 0.1 |  |  |

**Table of Contents**

[1](#_heading=h.gjdgxs) Objective and Scope 3

[2](#_heading=h.30j0zll) Business Requirement 3

[2.1.](#_heading=h.1fob9te) Application Overview 3

[2.2.](#_heading=h.3znysh7) Domain Model 4

[2.2.1.](#_heading=h.2et92p0) Diagram 4

[2.2.2.](#_heading=h.tyjcwt) Domain Objects Description 5

[2.3.](#_heading=h.3dy6vkm) Workflow 6

[2.4.](#_heading=h.1t3h5sf) Use Cases and Actors 8

[2.4.1.](#_heading=h.4d34og8) Diagram 8

[2.4.2.](#_heading=h.2s8eyo1) Description of Actors 8

[2.4.3.](#_heading=h.17dp8vu) Description of Use Cases 9

[2.5.](#_heading=h.3rdcrjn) Security Matrix 9

[2.6.](#_heading=h.26in1rg) Change Requirement 10

[3](#_heading=h.lnxbz9) Appendix 11

[3.1.](#_heading=h.35nkun2) Glossary 11

[3.2.](#_heading=h.1ksv4uv) Open Issues 11

# Objective and Scope

This document describes the business requirements for Ahihi Project. It contains the overall description of the application, the scope of data migration, and any changes need to be performed during migration the application.

This document along with the prototype demo is used for requirements confirmation, and it is to be signed off by the business. Details of business logic and graphic user interface of the application, which are not mentioned in this document, will be migrated as they are in the application.

# Business Requirement

# Application Overview

Nowadays, we are live in the world that have various online communication to connect people everywhere every time. However, it’s seem that right information is not sent to right people. In that situation, Ahihi was born to centralize Travel services into one app that collapse people who have traveled, want to travel or Travel Agency. For connect people who and will want to travel, agency from local place, Ahihi provide basic function for normal user and tool for stack holder analyze data from database to make links to Tourist-Tourist, Tourist-Agency and Agency-Agency throughout an account that can manage almost function in Ahihi, they are:

* User
  + Chat
  + Write public/private story
  + Watch news from followed Account/Page/Group or friends
  + Like/Comment/Report a news
  + Follow Page/Group/Account
  + Add/Delete friends
  + Manage account information
  + Switch Account/Page/Group roles
  + CRUD Page
  + CRUD Group
* Page
  + Manage Page information
  + Manage writer
  + Add/Register services
  + Add/Delete administrator
  + Block/Delete Page
* Group
  + Manage Group information
  + Manage writer
  + Add/Delete administrator
  + Block/Delete Group
* Other modules provided by Agency APIs
  + Notification
  + Authorization

All contents of this Regulation must comply with the current legal system of Vietnam, Members participating in Ahihi must find out their legal responsibility for the current laws in Vietnam and commit to comply with the contents of the Regulation of Ahihi

# Domain Model

# Diagram

**User Management**

**Page Management**

**Group Management**

**ADS**

**Notification**

**Authorization**

**Ranking**

**Services Management**

**Chat**

**Module**

**News**

**Module**

**Ahihi App**

# Domain Objects Description

|  |  |  |
| --- | --- | --- |
| # | Object Name | Object Description |
| 1 | User Management | The module of the system is responsible for people who want to use Ahihi app |
| 2 | Group Management | The module of the system is responsible for groups held by users |
| 3 | Page Management | The module of the system is responsible for Page held by users |
| 4 | Chat module | The module of the system is responsible for User or Page/Group representative chat with another user |
| 5 | News module | The module of the system is responsible for User watch news from registered/liked Account/Page/Group |
| 6 | Services management | The module of the system is responsible services that user register from Ahihi app |
| 7 | Ranking management | The module of the system is responsible ranking in Ahihi app |
| 8 | Advertising | The module of the system is responsible for ADS and ranking in Ahihi app |
| 9 | Notification | This is module of the system that allow user get notification from Account/Page/Group that belong to user |
| 10 | Authorization | This is module of the system that allow user authorize their Account/Page/Group |

# Workflow

Diagram

Description automatically generated

# Modul Diagram

Diagram, schematic

Description automatically generated

Diagram

Description automatically generated

# Use Cases and Actors

# Diagram

2.4.1.1 User Actor diagram

Diagram

Description automatically generated

2.4.1.2 Page Actor diagram

Diagram

Description automatically generated

2.4.1.3 Group Actor diagram

Diagram

Description automatically generated

# Description of Actors

|  |  |  |
| --- | --- | --- |
| # | Actor Name | Definition |
| 1 | User | People who relate to one or many Tourists place |
| 2 | System | Ahihi system |
| 3 | Agency | Agency who provide APIs for Ahihi app |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

# Description of Use Cases

|  |  |  |
| --- | --- | --- |
| # | Use Case Name | Definition |
| 1 | Register | This use case allows user to register an account |
| 2 | Login | This use case allows user to login into Ahihi app |
| 3 | Login with API | This use case allows user to login into Ahihi app using another method like Google, Facebook… |
| 4 | Forgot password | This use case allows user to change their password by using email |
| 5 | Search Data | This use case allows user to search Account/Page/Group |
| 6 | Write story | This use case allows user to write story |
| 7 | Write Comment | This use case allows user to write comment |
| 8 | Like | This use case allows user to like Account/Page/Group |
| 9 | Dislike | This use case allows user to dislike Account/Page/Group |
| 10 | Report | This use case allows user to report Account/Page/Group |
| 11 | Chat | This use case allows user to chat with Account/Page/Group |
| 12 | Book in advance | This use case allows user to book Products or services from Page |
| 13 | Notification | This use case allows user to get Notification from activities |
| 14 | Manage News | This use case allows user to manage News in story board |
| 15 | Add Friend | This use case allows user to add another user as friend role |
| 16 | Delete Friend | This use case allows users to delete friend |
| 17 | View Friend List | This use case allows user to view friend list |
| 18 | Change Password | This use case allows user to change password (require current password) |
| 19 | Change Account Information | This use case allows user to change user’s information (require current password) |
| 20 | Lock Account | This use case allows user to lock user’s account (require current password) |
| 21 | Help | This use case allows user to learn more about Ahihi app or send feedback to stakeholder |
| 22 | Create Page | This use case allows user to create new Page (require current password) |
| 23 | Create Group | This use case allows user to create new Group (require current password) |
| 24 | Add Administrator | This use case allows user to add admonitors to their Groups/Pages |
| 25 | Delete Administrator | This use case allows user to delete admonitors to their Groups/Pages |
| 26 | Get Administrator list | This use case allows user to view list of their Groups/Pages |
| 27 | Block Pages/Groups | This use case allows user to block their Pages/Groups |
| 28 | Open Page/Groups | This use case allows user to open their locked Pages/Groups |
| 29 | Delete Pages/Groups | This use case allows user to delete their Pages/Groups |
| 30 | Edit Page/Group | This use case allows user to edit to Pages/Group |
| 31 | Add Travel Products | This use case allows user to set Tourist Services to Pages |
| 32 | Switch Page/Group | This use case allows user to switch roles between their Groups/Pages |
| 33 | Ranking | This use case allows system to ranking Account/Groups/Pages |
| 34 | View Member | This use case allows user to view members list from their Groups |
| 35 | Add Member | This use case allows user to add members to their Groups |
| 36 | Delete Member | This use case allows user to delete members to their Groups |
| 37 | Register ADS | This use case allows user to register Ads for their page |
| 38 | View ADS | This use case allows user to view Ads of their page |
| 39 | Cancel ADS | This use case allows user to cancel Ads of their page |
| 40 | Notify | This use case allows user to see their notify |

# Security Matrix

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Actor  Function | User | | | Agency |
| User  Role | Page  Role | Group  Role |
| **Login** |  |  |  |  |
| Login | x(\*) |  |  | x(\*) |
| Login with APIs | x(\*) |  |  |  |
| Forgot Password | x(\*) |  |  |  |
| Register | x(\*) |  |  |  |
| **Search** | x(\*) | x(\*) | x(\*) |  |
| **Write Post** | x(\*) | x(\*) | x(\*) |  |
| **Write Comment** | x(\*) | x(\*) | x(\*) |  |
| **Like** | x(\*) | x(\*) | x(\*) |  |
| **Dislike** | x(\*) | x(\*) | x(\*) |  |
| **Report** | x(\*) | x(\*) |  |  |
| **Chat** | x(\*) | x(\*) |  |  |
| **Notify** | x(\*) | x(\*) | x(\*) | x(\*) |
| **Book Services** | x(\*) |  |  |  |
| **News** |  |  |  |  |
| Watch News | x(\*) | x(\*) | x(\*) |  |
| Block News | x(\*) | x(\*) |  |  |
| **Friend** | x(\*) |  |  |  |
| Add Friend | x(\*) |  |  |  |
| Delete Friend | x(\*) |  |  |  |
| View Friend | x(\*) |  |  |  |
| **Setting** |  |  |  |  |
| Lock | x(\*) | x(\*) | x(\*) |  |
| Open | x(\*) | x(\*) | x(\*) |  |
| Add services |  | x(\*) |  |  |
| Delete services |  | x(\*) |  |  |
| Change Account | x(\*) | x(\*) | x(\*) |  |
| Help | x(\*) | x(\*) | x(\*) |  |
| Create Page | x(\*) |  |  |  |
| Create Group | x(\*) |  |  |  |
| Switch Group/Page | x(\*) | x(\*) | x(\*) |  |
| Add Admin |  | x(\*) | x(\*) |  |
| Add services |  | x(\*) | x(\*) |  |
| Delete Admin |  | x(\*) |  |  |
| Delete Page/Group | x(\*) |  |  |  |
| Edit | x(\*) | x(\*) | x(\*) |  |
| View Member | x(\*) | x(\*) | x(\*) |  |
| Delete Member |  | x(\*) | x(\*) |  |
| **ADS** |  |  |  |  |
| Register |  | x(\*) |  | x(\*) |
| View History |  | x(\*) |  |  |
| Cancel |  | x(\*) |  |  |

X: The user has full permission to do the action

X(\*): The user has permission to do the action on his items

X(1): Administrators can read user message when needed

# Change Requirement

|  |  |  |
| --- | --- | --- |
| # | Item Name | Change Description |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |

# Appendix

# Glossary

|  |  |
| --- | --- |
| Term | Description |
| BRD | Business Requirements Document |
| DB | Ahihi Database |
|  |  |

# Open Issues