**Appendices**

Appendix A

# Gantt Chart

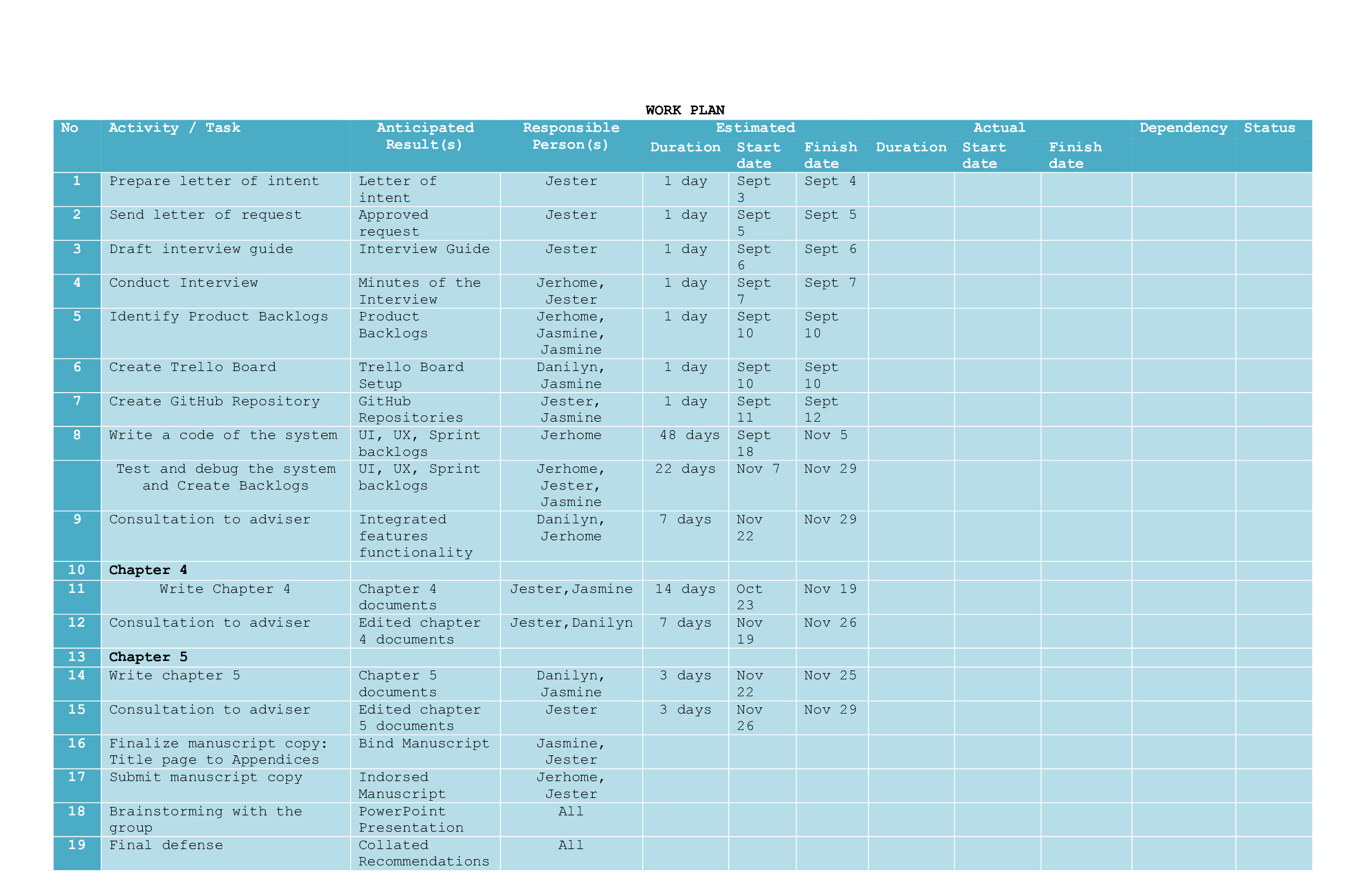
Table

Description automatically generatedGraphical user interface, application, table

Description automatically generated

Appendix B

# Work Plan



# Graphical user interface, table Description automatically generated

# Appendix C

# Letter to Conduct Studies

A picture containing text, ceramic ware, porcelain

Description automatically generated**REPUBLIC OF THE PHILIPPINES**

**PANGASINAN STATE UNIVERSITY**

Alaminos City Campus

**November 04 ,2022**

**MS. MARY C. DE GUZMAN**

*Municipal Tourism Officer*

*Bolinao, Pangasinan*

Madam:

Greetings Ms. De Guzman,

We are currently enrolled in the Bachelor of Science and Information Technology at Pangasinan State University – Alaminos City Campus and we are in the process of conducting a study on “TOURIST MONITORING SYSTEM FOR BOLINAO” in partial fulfillment of our requirements for Capstone Project 2.

We are humbly requesting your permission to conduct interviews, and observations, on the relevant processes of the Tourism Office that will help us to establish the scope and context of the project. We will treat every information shared and gathered with utmost confidentiality of our study will be highly appreciated response.

Thank you and looking forward to your positive response.

Sincerely,

**JERHOME T. REANTASO DANILYN V. BANOGON**

*Project Lead* *Member*

**JESTER EINSTEIN C. IBASAN JASMINE B. ZINAMPAN**

*Member Member*

Noted:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_

**CHRISTIAN PAUL O. CRUZ**

*Project Study Adviser*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_

**RUISSAN A. RAMOS, MIT**

*Department Chairperson*

*Information Technology*

Appendix D

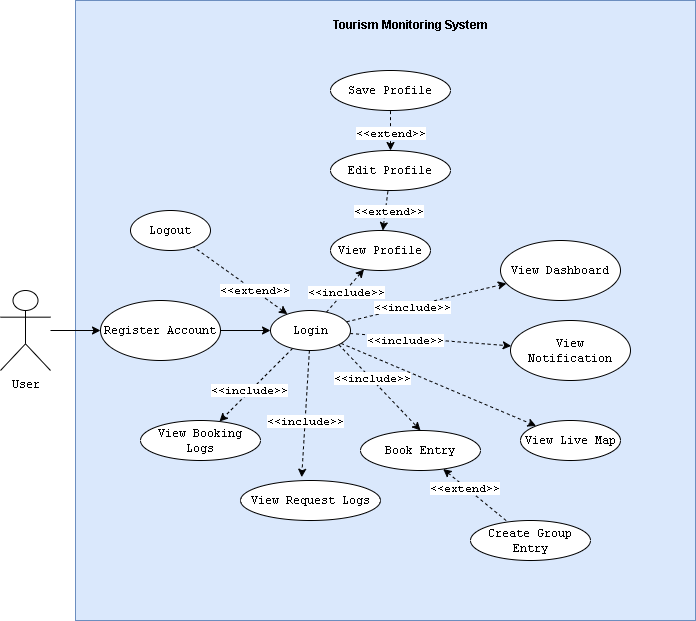
# Interview Guide

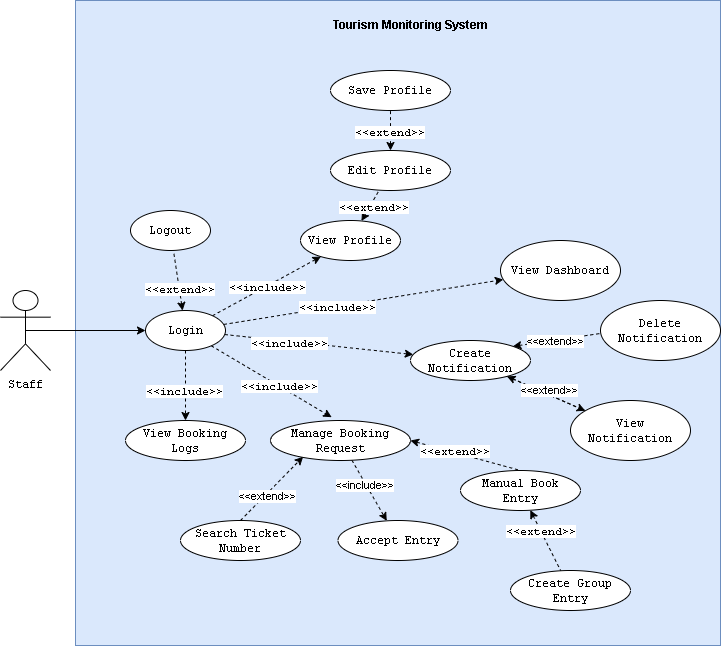
The proponents in the study entitled, Tourist Management System for Bolinao had prepared the following sets of interview questions.

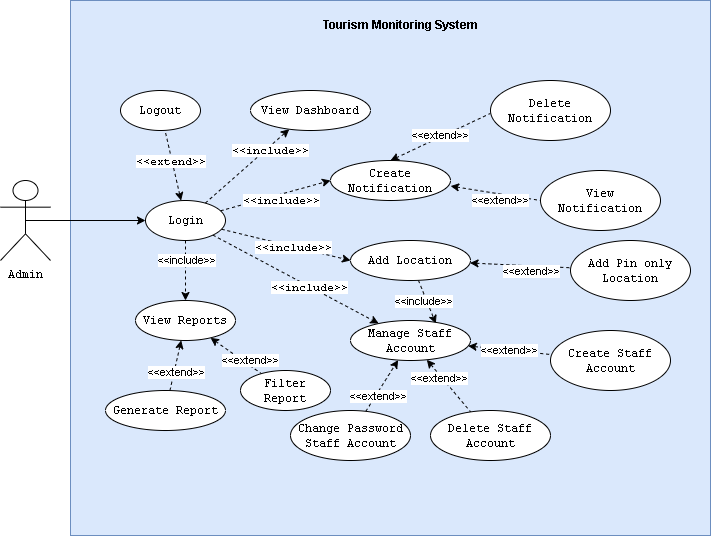
1. What is the peak season for tourist activities in Bolinao? How about the average number of tourists daily/weekly/monthly/annually?
2. What are the registered establishments and spots related to tourism in Bolinao? Is there any list of these available? Kindly share the offers of this establishments.
3. What is the primary workflow of Bolinao Tourism?
4. Who is responsible for processing tourist data?
5. How does information be handled in the office regarding tourist activities?
6. What is the information that are being processed? How does it help?
7. What does this collected tourist data mean to the office?
8. What is the existing process of Bolinao Tourism regarding monitoring tourists’ activities?
9. What is the current problem in the current process that is being ignored?
10. Do you feel like adding more interaction on the website like monitoring system? If yes, kindly enumerate.

Appendix E

# Use Case Diagram







Appendix F

# Use Case Description

|  |  |  |
| --- | --- | --- |
| Use Case | Register | |
| Description | This is used to illustrate Signup in the system | |
| Actor | | System |
| Normal Flow | | |
| 2. Encode first name, last name, email, number, and password.  3. click Signup button.  5. Enter OTP Code from email inbox. | | 1. Display Sign up Page.  4. Send OTP via email.  6. Display Login page. |
| Except Flow (Encounter error in emailor mismatch password) | | |
| 3. click Signup button.  5. Enter the valid email or password.  6. click Signup button  8. Enter OTP Code from email inbox. | | 4. Display error message for the email or password.  7. Send OTP via email.  8. Display Login Page. |

|  |  |  |
| --- | --- | --- |
| Use Case | Login | |
| Description | This is used to illustrate Login in the system | |
| Actor | | System |
| Normal Flow | | |
| 2. Encode email and password.  3. click Login button. | | 1. Display Login Page.  4. Display Dashboard. |
| Except Flow(Encounter error in password or phone number) | | |
| 3. click Login button.  5. Enter the correct password or email.  6. click Login button. | | 4. Display error message for the password or email.  7. Display Dashboard. |

|  |  |  |
| --- | --- | --- |
| Use Case | Profile | |
| Description | This is used to illustrate My Profile in the system | |
| Actor | | System |
| Normal Flow | | |
| 2. Edit first name, or last name, or gender, or phone number, or email, or address.  3. click Save Profile button. | | 1. Display Profile Page.  4. Display Updated Successfully. |
| Except Flow (Encounter error editing profile) | | |
| 2. Edit empty first name, or last name, or gender, or phone number, or email, or address.  5. Edit correct first name, or last name, or gender, or phone number, or email, or address.  6. click Save Profile button. | | 3. Display error message for empty first name, or last name, or gender, or phone number, or email, or address  7. Display Updated Successfully. |

|  |  |  |
| --- | --- | --- |
| Use Case | Notification | |
| Description | This is used to illustrate Notification in the system | |
| Actor | | System |
| Normal Flow | | |
| 1. Click notification bell icon.  3. Click new notification. | | 2. Display new notification.  4. Display notification modal. |
| Alternate Flow | | |
| 3. Click View All.  5. Click View on chosen notification. | | 4. Redirect to Notifications Page.  6. Display notification modal.  7. Display Updated Successfully |

|  |  |  |
| --- | --- | --- |
| Use Case | Live Map | |
| Description | This is used to illustrate Live Map in the system | |
| Actor | | System |
| Normal Flow | | |
| 2. Click Location Pin. | | 1. Display Live Map Page.  3. Display live count balloon. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case | Request Entry | | | |
| Description | This is used to illustrate Request Entry in the system | | | |
| Actor | | System | | |
| Normal Flow | | | | |
| 2. Click Next.  4. Choose desired location.  5. Click Request. | | 1. Display Booking – User Info Page.  3. Display Booking – User Info – Additional Information Page  6. Display generated ticket number. | | |
| Except Flow(Encounter error in requesting entry) | | | | |
| 2. Click Next.  5. Edit Profile.  6. Go to Request Entry Page.  8. Click Next.  10. Choose desired location.  11. Click Request. | | 3. Display error message for empty address.  7. Display Booking – User Info Page.  9. Display Booking – User Info – Additional Information Page  12. Display generated ticket number. | | |
| Alternate Flow | | | | |
| 4. Choose desired location.  5. Click Add More.  6. Encode required fields  8. Click Request. | | | | 7. Show new fields.  9. Display generated ticket number. |

|  |  |  |
| --- | --- | --- |
| Use Case | Accept Entry | |
| Description | This is used to illustrate Accept Entry in the system | |
| Actor | | System |
| Normal Flow | | |
| 2. Verify Ticket Number from User.  3. Confirm Entry. | | 1. Display Pending Request.  4. Update logs. |
| Alternate Flow | | |
| 2. Click Add Button.  4. Encode required fields. | | 1. Display Pending Request.  3. Redirect to Manual Entry Page.  5. Update logs. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case | Add Location | | | |
| Description | This is used to illustrate Add Location in the system | | | |
| Actor | | System | | |
| Normal Flow | | | | |
| 2. Click Next.  4. Choose desired location.  5. Click Request. | | 1. Display Booking – User Info Page.  3. Display Booking – User Info – Additional Information Page  6. Display generated ticket number. | | |
| Except Flow(Encounter error in requesting entry) | | | | |
| 2. Click Next.  5. Edit Profile.  6. Go to Request Entry Page.  8. Click Next.  10. Choose desired location.  11. Click Request. | | 3. Display error message for empty address.  7. Display Booking – User Info Page.  9. Display Booking – User Info – Additional Information Page  12. Display generated ticket number. | | |
| Alternate Flow | | | | |
| 4. Choose desired location.  5. Click Add More.  6. Encode required fields  8. Click Request. | | | | 7. Show new fields.  9. Display generated ticket number. |

Appendix G

# Entity Relationship Diagram

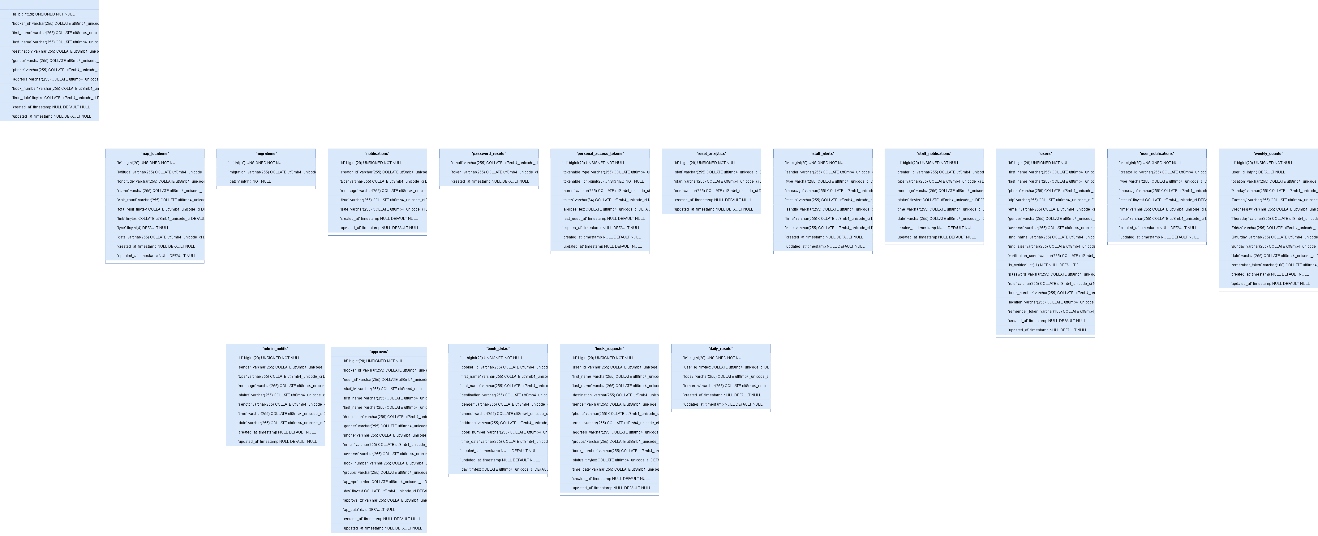


Figure Placeholder

Appendix H

# Acceptability Questionnaire

ACCEPTABILITY TOURISM MONITORING SYSTEM FOR BOLINAO

(Adapted from ISO 9126-1 by McCall (1997))

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Respondent (optional): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sex: \_\_ Male \_\_ Female

Direction: Please evaluate/rate the following items to determine the acceptability of the Tourism Monitoring System for Bolinao by checking the corresponding box using the scale below:

4 – Acceptable

3 – Slightly Acceptable

2 – Slightly Unacceptable

1 – Unacceptable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Functionality** | | 4 | 3 | 2 | 1 |
| 1 | Suitability – The functions of the system are appropriate. |  |  |  |  |
| 2 | Accuracy – The system’s results are accurate. |  |  |  |  |
| 3 | Compliance – It adheres to existing standards and policies. |  |  |  |  |
| 4 | Security – It prevents unauthorized access. |  |  |  |  |
| **Reliability** | |  |  |  |  |
| 1 | Maturity – There is minimal frequency of software faults/failures. |  |  |  |  |
| 2 | Fault Tolerance – The system has capability of handling system errors. |  |  |  |  |
| 3 | Recoverability – System’s performance is re-establishing from failure. |  |  |  |  |
| **Usability** | |  |  |  |  |
| 1 | Understandability – Concepts are easily recognized. |  |  |  |  |
| 2 | Learnability – Effort in learning the system is reduced. |  |  |  |  |
| 3 | Operability – The system is easy to use or operate. |  |  |  |  |
| **Efficiency** | |  |  |  |  |
| 1 | Time Behavior – There is fast response time of the system. |  |  |  |  |
| 2 | Resource Behavior – Resources used for system performance are accessible. |  |  |  |  |
| **Maintainability** | |  |  |  |  |
| 1 | Analyzability – There is less effort in identifying system failure causes. |  |  |  |  |
| 2 | Changeability – Effort in modifying the system |  |  |  |  |
| 2 | Stability – Sensitivity to modification |  |  |  |  |
| **Portability** | |  |  |  |  |
| 1 | Adaptability – Specification changes are done easily. |  |  |  |  |
| 2 | Installability – There is effortless process of installing the system. |  |  |  |  |
| 3 | Conformance – System is compliant to portability standards. |  |  |  |  |

Comments:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This is the end of the survey questionnaire. Thank you very much for your time and generous cooperation.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Respondent’s Signature

Appendix H

# Tabulation of Results

Appendix I

# Certification of Grammar Check