Specifications for AWAI-Awhi Whanau, Awhi Iwi: Dosage Calculation App
CASE Study Solution

1.0   AIM

Create a Mobile App that supports *Escorting* of Tamariki and Rangatahi for Parents, and Caregivers. Information on AWAI's goals and objectives can be found in the AWAI-Overview Document.

Implied Intellectual Property Rights and Client Confidentiality

The CASE Study approach is grounded in Work Integrated Learning (WIL) and Project-Based Learning (PBL) where students work on real case projects and real problems. This also means students are aware of the following:

- Students are bound to Intellectual Property Rights and Client (AWAI) confidentiality when undertaking the CASE study project. While every effort has been made to ensure client protection students shall conduct themselves accordingly and ensure that any disclosure of information is not detrimental or discriminating towards the client.
- The CASE study project is a *prototype* of a *Quick Response app* and *Information app* and not an actual working solution.
- Students shall reference their participation with the client as a CASE study project assessment as industry experience, however, under no circumstances are students allowed to reference as having been employed or contracted by the client.
- Resources towards the presentation, design, demonstration, and implementation of the CASE study project are handed over to the client for further analysis, research, and development. The Center retains a copy of the resources for assessment and moderation purposes.

2.0   Background

Domestic violence regarding children is a world-wide societal issue handled by government, communities, enforcement, politicians, and families. Research has indicated that during pre, current, and post domestic violence situations, those involved are affected by access and assistance to information and help in times of need. The New Zealand Government, Oranga Tamariki, advocates for the protection and empowerment of children escorted, however, finding online information, https://www.orangatamariki.govt.nz/, in times of need indicates a lengthy confusing process. Further, the information is difficult for Tamariki and Rangatahi to understand, leaving the potential for development and growth in this area.

For these reasons, AWAI, proposes the use of an app to provide the needed resources to support individuals in these times of need. As a proposition to the initial journey of discovery, AWAI, with the assistance from the Center for Information Technology (CfIT) Wintec, scope the development of a *Quick Response App* and *Information App*.

3.0   AWAI Theme

The theme for the design of the App can take inspiration from the following:

1. Massey University and their Satelite Campus Albany colours and patterns
2. Use koru, flax weaving, and fern patterns.
3. Images of family, whanau, Māori communities
   a. When using images from digital sources, ensure they are free of copyright and provide a reference link to images.
4. Refer to the AWAI-Overview document for additional sources of inspiration.

4.0   AWAI Quick Response App

Guideline

Currently there are no defined processes of how a quick response app should function meaning the concept has been the work of AWAI and CfIT. The concept of a *Quick Response App for Tamariki and Rangatahi is to quickly contact people* in a time of crisis. To create an app for a quick response, consider the following:

1. **Target Audience:** Tamariki and/or Rangatahi
2. Apply the *context of use* and consider from the perspective of a child undergoing a situation of domestic violence.
    a. What is/are currently going through their minds?
    b. How can you get as much information about the situation in the shortest amount of time?
    c. Who do they need to contact? (refer to the profile details for key people)
    d. What if they are in a situation where they don't have time to answer these questions?
    e. The safety of Tamariki and Rangatahi is of the most importance.
3. The target audience to use the app is between the ages of 5-17. The youth law of age rights for NZ can assist with further information, but the assumptions are that ages for this prototype shall target Tamariki (age 5-12) and Rangatahi (13-17). *Note:* There is no definition of age clarity between Tamariki and Rangatahi, therefore, this age group is in reference to pre-adolescence as determined by the NZ Psychology society. Regarding the age difference between Tamariki and Rangatahi consider the following:
    a. How would the app communicate with Tamariki?
    b. How would the app communicate with Rangatahi?
    c. Refer to grading criteria for implementation of target age group.
4. Think about creating a series of questions of how Tamariki and Rangatahi would respond? The app should therefore cover the following:
    a. Ensuring Tamariki and Rangatahi safety.
    b. Empower Tamariki and Rangatahi to select which people to contact.
    c. Provide options for panic situations.
    d. Provide language in Māori and English (refer to grading criteria).
    e. Contact the people involved by sending urgent or alert messages.

Profile of Key People

The app shall store the following people for contact and should indicate if these people have been or not been appointed by Orange Tamariki.

1. Whanau (Grand-mother, Grand-father) - Caregiver
2. Iwi Social Worker – Caregiver when dealing with the iwi. If appointed by Oranga Tamariki then they take priority of the appointed Social Worker.
3. Social Worker – Caregiver
4. Police
5. You will need to store the details of the Tamariki or Rangatahi.

The details of key people should be applied where applicable. The following is a guide:

1. Name
2. Relationship to Tamariki/Rangatahi
3. Status (appointed by Oranga Tamariki (yes, or no)
4. Contact phone number.

Profile of Tamariki and/or Rangatahi

The app shall store the following details for Tamariki and/or Rangatahi

1. Name
2. Date of birth
3. Current place of care address
4. The name(s) of their current caregiver(s)

Further Information

There is an app from the NZ Police, [NZ Police Family Harm App](#), that is similar to this concept *targeted for a different audience*. You can use this as a guide to help with constructing concepts and ideas.

5.0   AWAI Information App

Guideline

The Information App for the prototype should cover [Escorting Tamariki and Rangatahi](#). Escorting is the process of removing, relocating, and uplifting tamariki and rangatahi from their current place of care. The app should provide information to caregiver's for the following ***sections***:

1. ***Information***.
    a. What is Escorting?
    b. Types of Escorts?
2. The ***Process of Escorting***. The following is a guideline for when escorting has been actioned.
    a. An assessment is made when the environment has been identified as a risk, meaning escorting is necessary.
    b. Oranga Tamariki becomes the custodians of children when escorting is in action.
    c. Oranga Tamariki are NOT custodians of children WHEN others have assumed responsibility.
    d. Escorting is authorized by someone in charge – also, provide information on the conditions.
    e. The *Informed Escort Strategy* and who it is provided to.
3. ***Legal Rights of Parents***.
    a. Legal rights for parents shall refer to Escorting and/or the Escorting process, NOT legal rights in general.
4. ***Legal Rights of Caregivers.***
    a. Legal rights for Caregivers shall refer to Escorting and/or the Escorting process, NOT legal rights in general.

What the app should provide?

5. **Target Audience:** Parents, Caregivers
6. For each section:
    a. Provide details and summarise information in the context of a mobile app.
    b. Provide links for users for further information.
7. You can obtain most of the information from:
    a. [Oranga Tamariki](#)
        i. This site has a lot of unnecessary information therefore, you are advised to look for information under the sections provided.
    b. [Community Law](#) organization for NZ
        i. This site provides a lot of legal processes and advice; therefore you are advised to look for information under the sections provided that focus on escorting, but include information that could help and assist.

6.0   User Profiles and Simulation Data

The apps require the storage of key people of which you will need to create user profiles for. User profile data is necessary because it has the following advantages:

1. Provides visual communication of concepts and ideas.
2. Supports demonstrations and presentations.
3. Supports app design and implementation.
4. Simulates real world context.

Provide simulated user profiles for the key people listed. The phone contact details can be simulated using pseudo phone numbers **or** your group members phone numbers for demonstration, implementation, and testing. REFER to the grading section for more details.

7.0   Grading

Refer to the C2 - CASE Study marking schedule for grading. The Grade Categories are proportioned to the Clients Specifications and will have an impact on the client's overall opinion of the app – which is essentially 75% (55% for app complexity, 20% from client's opinion) of the grade.

C Category

For both apps maintain design consistency.

__Quick Response App__ base requirements for a pass grade.

1. Complies with mobile design standards, context of use, and design principles.
2. Contains a splash screen, logo, main screen (home screen), profile, as well as other screens required.
3. Store profile data for:
    a. Tamariki or Rangatahi.
    b. Key People.
    c. All profile data can be modified and saved.
    d. Data *__stored locally__* on the device.
4. Initiates the Quick Response action with the following specifications:
    a. Designed for Rangatahi only.
    b. Is in English and Māori – use ChatGPT to help with translation, do not use google translate.
    c. Contact the required people. To simulate the people being contacted display a screen that shows:
        i. The details of the person (people) contacted, and
        ii. The message that has been sent to them.

__Information App__ base requirements for a pass grade.

1. Complies with mobile design standards, context of use, and design principles.
2. Contains a splash screen, logo, main screen (home screen), as well as other screens required.
3. Provides information outlined in the four sections.
4. The section headings are provided in English and Māori – use ChatGPT to help with translation, do not use google translate.

B Category – Additions

Both apps shall be modified to complete the B Category grading.

__Quick Response App__. Completes all **C Category** including the following:

1. Initiates the Quick Response action with the following additions:
   a. Designed for Tamariki as well.
      i. Base the decision of response from the date of birth profile for the Tamariki and Rangatahi.

Information App. Completes all C Category including the following:

2. For the Process of Escorting:
   a. Provides an additional *option for users to answer a quiz of yes or no answers* questions based on the information that is provided in the app.
   b. To simulate a quick response for the information app displays a screen of responses from the quiz is provided.

A Category

Both apps shall be modified to complete the B Category grading.
1. Completes all B Category including the following:
2. The about screen profiles:
   a. AWAI information. Refer to the AWAI-Overview document and decide what information would be suited (wrapped) to the about screen.
   b. Profiles your design team/group. Include a team photo and each person's role.
3. Sends alert messages to Contacts.
   a. Besides displaying the details of the Contact screen, it further sends messages to the key people
   b. Simulate the key people by using your personal devices as the contact phone numbers. You can either:
      i. Use one personal phone number the receives all messages, or
      ii. Use more than one phone number (use your group members) where each receive a message.

8.   What can Affect Grading.

What increases grading?

1. Using kotlins MVVM structure.
2. Using kotlins android database architecture infrastructure.
   Refer to C1 – Video tutorial 8 and 9.
3. Prototypes that are simple to use.

What decreases your grading?

1. Prototypes, presentations, and demonstrations that do not capture AWAI's theme.
2. Demonstrations and presentations that are unprofessional. This includes dressing tidy.
3. Groups not working together as a team.

9.   Reminder when Demonstrating and Submitting Your Prototype.

If your group has used their phone numbers to simulate user data then BEFORE you submit your resources be mindful of the following:

1. Use alternative phone number details when presenting prototype designs.
2. Use group phones to demonstrate functionality to the client, however, make sure the phone details are not included when you submit your assessment.
3. When doing recordings do use simulated phone numbers instead of actual group phone number details