41889/42889 iOS Application Development Autumn 2020

**Assessment Task 3: Product Design Worksheet**

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We will create an application for children who like to learn about new objects/items

(persona type)

that helps them to identify the any object

(pain point)

by allowing the camara to point towards the object / upload the photo of the object and search the details of the object to know further information.

(functionality)

The app will need data models for:

1. Machine Learning (CoreML)
2. WebKit - Web Integration
3. Table View Class - Classification in Dictionary
4. Privacy Camera access

and custom views for:

1. Homepage
2. Live View
3. Local View
4. Table list View
5. Websearch

and frameworks to interface with:

1. SwiftUI
2. WebKit
3. ImageIO
4. Vision
5. CoreML
6. CoreMedia
7. AVFoundation
8. VideoToolbox

Workflow of scenes:



