T086 Artefact Agreement

Team Name:	T086
Project Title:	BeeAware
Industry Parter:	Waycom Group
Client:	Wayne Wood
Tutor:	Ross Schamburg
Team Member 1:	Tuan Anh Do
Team Member 2:	Zhijian He
Team Member 3:	Benjamin Tran
Team Member 4:	Ridley Visan

Project Overview

This artefact agreement outlines T086's deliverables for the beekeeping website (BeeAware) and inform the client and teaching team of our handover management.

Handover Process (25/10/2024)

- All deliverables will be uploaded to our client's GitHub repository (final artefact with supportive documentation) on Friday 25/10/2024.
- The deployment of all codebase to DigitalOcean through Docker containerisation will be finalised at the same time as our handover.
- Confirmation message will be sent to inform the client once everything is uploaded and to confirm that they have received the deliverables and are satisfied.
- The message will include a request for a sign-off that the client will email to Shailesh Palekar by 25/10/2024 before 11:59pm.

Core Beekeeping Modules:

Apiaries Module

- Manage multiple Apiary locations
- Provide details of each site
  - Apiary Name
  - Address
  - Property contact
  - Associated Hives
  - Description
  - Notes
  - Location in Google Maps *[Placeholder]*
  - Upload Images

Hives Module

- Manage individual Hives
- Provide details of each hive
  - Hive number or name
  - Brood pattern
  - Frame quantity
  - Queen excluders
  - Temperament
  - Comments
  - Location in Google Maps *[Placeholder]*

Inspections Module

- Provide details of an inspection
  - Brood Frames & Pattern
  - Honey Frames & Pattern
  - Egg Frames & Pattern
  - Empty Frames
  - Temperament
  - Comment
- Provide details of diseases
  - Disease observed
  - Severity
  - Description

- Inspection Calendar
- Inspection & Disease Summaries (Back and Forward)
- Location in Google Maps *[Placeholder]*
- Flora Lookup *[Placeholder]*

User Registration/Login Module

- Allows users to create an account with role-based access to the website
- User Registration
  - Username
  - Email
  - Password
- User Login
  - Username
  - Password
- User Logout

Technology Stack

- Frontend: React (Switched from Razor Views)
- Backend: ASP.NET Core (Switched from ASP.NET MVC 4.8)
- Database: MySQL
- Authentication: JWTs
- Hosting Service: DigitalOcean (Switched from CrazyDomains/Plesk)
- Containerisation: Docker

Technical & Supporting Documentation

- API Endpoint Documentation (GET & POST Requests)
- Test Plans Documentation (Plans, Cases, Results)
- Technical Challenges Documentation (e.g., Framework Incompatibility)
- User Guide Documentation (Annotated Step-by-Step Guide)

Scope of Work:

- Full-Stack Development of three Beekeeping Modules and User Module.
- Deployment of our team's modules to DigitalOcean using Docker.
- Provide technical and supporting documentation.

Acceptance Criteria:

- All modules must function as specified and pass all test cases.
- Documentation must be complete, accurate, and user friendly.