

# Work Breakdown Structure

(Current Document Version 1.0.1)

Document update history:

Version 1.0.0

Created by Connall Shurey on Nov 8, 2022

Description: First draft of Work Breakdown Structure

Version 1.0.1

Modified by Giuseppe Barillari on Nov 8, 2022

Description: Added initial skeleton of software deliverables

Reviewed by: Connall Shurey

# Campus Bird Guide

## 1 Project Management

- 1.1 Role Delegation
- 1.2 Schedule Meetings
- 1.3 Idea Creation
- 1.4 Create Google Drive
- 1.5 Creating Github
- 1.6 Progress Tracking
- 1.7 Work Breakdown Structure
- 1.8 Task Management

## 2 Documentation & Communication

- 2.1 Project Wide Standards
- 2.2 Functional Specification
- 2.3 Meeting Minutes
- 2.4 Document Version Control
- 2.5 Media Software Contracts
- 2.6 XML Standards Document
- 2.7 App Licensing

## 3 Quality Assurance

- 3.1 QA Manual
- 3.2 Software Testing Strategy
- 3.3 User Testing Strategy

## 4 Finance & Marketing

- 4.1 Financial Business Plan
- 4.2 Financial Report 1
- 4.3 Financial Report 2
- 44 Financial Report 3

## 5 Marketing

- 5.1 Market Analysis

## 5.2 Marketing Strategy

# 6 Design & Media

- 6.1 App Design
- 6.2 Sourcing/Creating Media
- 6.3 Business Proposal Presentation
- 6.4 Demonstration & Sales Presentation

# 7 Software

- 5.1 Planning
  - 5.1.1 Architecture Design, single server multi client model
  - 5.1.2 Research via spikes
- 5.2 Implementation
  - 5.2.1 Bring up server
    - 5.2.1a Server uses SpringBoot and PostgreSQL
    - 5.2.1b Server only allows auth'd users to CUD
    - 5.2.1c Server stores and serves static assets
    - 5.2.1d Static assets are updated on CUD
  - 5.2.2 Bring up user client app
    - 5.2.2a As a user, I can see a list of ducks by location
    - 5.2.2b As a user, I can change location
    - 5.2.2c As a user, I can see details about a particular duck in the list
    - 5.2.2d As a user, I can load a third-party provided duck presentation file
    - 5.2.2e As a user, I can see instructions on how to use the application
  - 5.2.3 Bring up admin client app
    - 5.2.3a As an admin, I can CRUD a duck entry in the db
    - 5.2.3b As an admin, I can CRUD duck's assets
  - 5.2.4 Bring up sysadmin client app (internal)
    - 5.2.4a As a sysadmin, I can CRUD a location
    - 5.2.4b As a sysadmin, I can CRUD api keys
- 5.3 Execution
  - 5.3.1 Launch Application
    - 5.3.1a Investigate server hosting option
    - 5.3.1b Investigate load balancing
  - 5.3.2 Conduct User Testing
    - 5.3.2a As a user, I understand how to use the application