**Proposal for development of Hydro App**

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Table of contents

[Introduction 3](#_Toc465701544)

[Support 3](#_Toc465701545)

[Required Solution 3](#_Toc465701546)

[Terms 3](#_Toc465701547)

[Technical Background and Requirements 3](#_Toc465701548)

[Duration of Work and Resources 4](#_Toc465701549)

[Project Scope and Budget 4](#_Toc465701550)

### Introduction

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### Support

We provide 3 months warranty for bug fixes if errors appear on a compatible devices and supported platforms. The warranty does not cover issues resulting from any third-party modifications, not from requirement and scope changes.

### Required Solution

Web application will be developed enabling people to learn and apply the simplified hydroponic cultivation technique and providing tools to improve eating habits, access the market, further grow hydroponic knowledge, exchange with hydroponic community and access to experts

### Terms

**Materials suppliers database** - database of materials such as seeds, nutrients, etc.

**Inventory** - crops already planted or grown by a person and registered in HydroApp interface.

**HydroApp Moderator** – person who moderates Inventory and recipes.

**HydroApp Administrator** – person who manages Materials suppliers database, HydroApp Moderators list.

### Technical Background and Requirements

Solution will include following components to be developed:

1. Text description of basics of hydroponics.
2. Hydroponic manual - text and (or) video instructions and manuals:
   1. steps of cultivation process;
   2. cultivation techniques;
   3. materials;
   4. table of cultivation.
3. Materials suppliers database that will be managed by HydroApp administrator, who will be able to add new suppliers, edit and delete records in suppliers table.
4. Marketing subsystem that will enable HydroApp user to create and edit marketing profile (including contact phone, e-mail, address), register and edit/delete Inventory. Inventory will be moderated by HydroApp moderator. Inventory of particular user will be visible to other users of HydroApp.
5. Recipes and experience sharing subsystem that will enable users to create/edit/delete recipes on how to create/cook with hydroponic products and notes describing experience of growing particular crops. HydroApp users will be able to comment recipes and notes. HydroApp moderator will have instruments to review and moderate recipes, notes, and comments.
6. Expert section where any HydroApp user will be able to ask question on hydroponics and get answers from experts.

### Duration of Work and Resources

This unit of work is expected to take 8 weeks.

### Project Scope and Budget

We see the project is comprised from following iterations:

|  |  |  |
| --- | --- | --- |
| Iteration | Deliverables | Duration |
| Analysis of existing CMS solutions and chose of optimal one. Web server deployment. | ------------- | 2 weeks |
| Deployment and customization of CMS. | Empty CMS pages | 2 weeks |
| Deployment of Basic of hydroponics and Hydroponics manual sections.  Deployment of Materials suppliers section.  Deployment of marketing subsystem components. | Basic of hydroponics and Hydroponics manual sections web pages.  Web pages enabling to manage and search for materials suppliers. Web pages for registering merchants, registering inventory, marketing profiles. | 2 weeks |
| Deployment of recipes and experience sharing subsystem. Deployment of expert section components. Deployment of HydroApp components for Moderators and Administrator. Solution testing, adoption for mobile devices, and preparing for release. | Web pages enabling users to share recipes, experience of growing, and comments. Web pages for questions to hydroponics experts. Moderator tool and Administrative web pages. | 2 weeks |
| Total |  | 8 weeks |