



Master Thesis

User interface design of an agriculture-related application

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The purpose of the InLocS project is the development of a product for management of animals in an agricultural environment. In addition to workflow and animal management, the product shall provide a location service for locating and tracking animals in the cots.

The goal of this master thesis is the evaluation and design of a graphical user interface that shall be used in the InLocS project for a desktop application and for mobile devices. The user interface should utilize the respective advantages of the different platforms (screen space versus mobility). It is therefore essential to come up with separate designs that should nevertheless provide similar features in similar ways.

The design should cover the following conceptual aspects:

- Visual appearance of the application
- Basic navigation capabilities
- Extensibility in order to simplify the integration of new functionality
- Adjust information density depending on available space

The applicability of the concept shall be demonstrated by means of prototypical implementations of typical use cases.

The desktop system shall be targeted for Windows computers, and Google Android shall be used for the mobile device.

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