**<Application Name>**

**Human Interface Design Document (HIDD)**

**Version <TBD>**

**Initial Draft**

**Produced by:**

**<Customer Name>**

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* Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| TBD | 0.1 | Initial draft | TBD |

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# Introduction

This section introduces the HIDD to the reader.

## Human Interface Design Document Objectives

This HIDD has the following objectives:

Document the design of the human interfaces of the Electronic Auction System (EAS).

Be the primary document driving the implementation of the EAS human interfaces.

Be easily traceable back to the operational requirements (and use case paths) associated with human actors in the requirements specifications.

Be easily traceable back to the architecture documents.

Be a major source of information for the production of the EAS User Manual.

## Intended Audiences

This HIDD has the following the intended audience:

<Application Name> technical reviewers including:

* Project Management
* Domain experts
* Employees, who must use the human interface to perform their tasks.
* Users, who must evaluate the design of the user interface for usability.
* Requirements Engineers, whose requirements must be fulfilled by the design of the human interface.
* Architects, who must enforce the architectural integrity of the <Application Name> on the design of the human interface.

<Application Name> developers including:

* Implementers, who must implement the design of the human interface.
* Testers, who must test the human for compliance with operational and quality requirements.

## References

This HIDD conforms to and is consistent with the following documents:

<Application Name> business documentation:

* TBD

<Application Name> project documentation:

* Application Vision Statement
* Project Glossary
* System Requirements Specification
* System Architecture Document

OPF conventions:

* HIDD Content and Format Standard
* HIDD Template
* HIDD Inspection Checklist

## Human Interface Design Document Overview

This HIDD has the following the organization:

**Introduction**, which introduces the HIDD to its readers.

**Human Interface Design Overview**, which provides an overview of the human interface design of the EAS, including context, design drivers, major design decisions, and the kinds of human interfaces.

**Human Interface Design Details**, which documents for each human actor the detailed design of the associated human interfaces including graphical windows, email, paper correspondence, and reports.

**Appendices**, which documents the short textual messages included in the various human interfaces, major open issues, and major TBDs.

# Human Interface Design Overview

This section provides an overview of the design of the human interface.

## Context

This subsection briefly summarizes the context of the <Application Name> in terms of its human actors and their relationships with it.

### Context Diagrams

The following context diagrams document the major hardware components of the application, the application’s human actors, and the significant relationships between them:

TBD

Figure 1: Context Diagram

### Human Actors

The <Application Name> has the following human actors, which use its human interfaces:

<Actor Name and Definition>

TBD

Figure 2: Actor Inheritance Diagram

## Major Human Interface Design Drivers

The design of the human interface of the <Application Name> is primarily influenced by the following factors:

<Factor and resulting influence>

## Major Human Interface Design Decisions

The following design decisions and their rationales shaped the architecture of the <Application Name> human interfaces.

<Design decision and rationale>

## Kinds of Human Interfaces

The <Application Name> uses the following kinds of human interfaces to interface with its human actors:

GUI windows

Command line

Email

Paper correspondence

Reports

Input devices such as keypads and card readers.

Output devices such as alarm lights.

# Human Interface Design Details

This section documents the detailed design of the human interface. It contains alphabetically organized subsections for each human actor that interfaces with the <Application Name>.

## <Actor Name>

<Actor Name and Definition>

<Actor Name> interfaces with <Application Name> using the following kinds of interfaces:

GUI windows

Command line

Email

Paper correspondence

Reports

Input devices

Output devices

### Graphical Interfaces

This subsection documents the graphical interfaces primarily associated with <Actor Name>. The following screen navigation diagram documents the screens used by this actor as well as how the actor can navigate between them.

TBD

Figure 3: Actor Screen Navigation Diagram

#### <Screen Name>

<Screen Name> has the following *responsibilities*:

<Responsibility>

<Screen Name> is implemented using the following *technology*:

<Implementation technology>

<Screen Name> has the following *contents*:

<Content>

<Actor Name> can *navigate* to the following screens from this screen:

<Screen Name>

TBD

Figure 4: Example <Screen Name> Screen Shot

### Command Line Interfaces

This subsection documents the command line interfaces primarily used by <Actor Name>.

#### <Command Line Name>

<Command Line Name> has the following *responsibilities*:

<Responsibility>

<Command Line Name> has the following *syntax*:

<Signature and parameters>

<Command Line Name> has the following *semantics*:

Preconditions:

* <Precondition>

Postconditions:

* <Precondition>

The following is a representative example of <Command Line Name>:

<Representative example>

### Email

This subsection documents any email interfaces primarily associated with <Actor Name>. This subsection documents emails both sent by the application to the actor and emails sent by the actor to the application.

#### <Email Name>

<Email Name> has the following *responsibilities*:

<Responsibility>

<Email Name> is sent by the <Sender Name> to the <Receiver Name>.

<Email Name> has the following *contents*:

<Contents>

The following is a representative example of <Email Name>:

<Representative example>

### Paper Correspondence

This subsection documents the paper correspondence (e.g., invoice, letter, notification, and advertisement) that is generated by the application and sent to <Actor Name>.

#### <Paper Correspondence Name>

< Paper Correspondence Name> has the following *responsibilities*:

<Responsibility>

< Paper Correspondence Name> has the following *contents*:

<Contents>

The following is a representative example of < Paper Correspondence Name>:

<Representative example>

### Reports

This subsection documents each specific report primarily associated with <Actor Name>.

#### <Report Name>

< Report Name> has the following *responsibilities*:

<Responsibility>

< Report Name> has the following *contents*:

<Contents>

The following is a representative example of <Report Name>:

<Representative example>

### Input Devices

This subsection documents the input devices used by the <Actor Name> to communicate with <Application Name>.

#### <Input Device Name>

< Input Device Name> has the following *responsibilities*:

<Responsibility>

< Input Device Name> is the following *kind* of device:

<Kind of input device>

< Input Device Name> has the following *behavior*:

<Behavior>

### Output Devices

This subsection documents the output devices used by <Application Name> to communicate with <Actor Name>.

#### <Output Device Name>

< Output Device Name> has the following *responsibilities*:

<Responsibility>

< Output Device Name> is the following *kind* of device:

<Kind of output device>

< Output Device Name> has the following *behavior*:

<Behavior>

# Appendices

This HIDD has the following appendices:

Messages

Open Issues

Major TBDs

## A. Messages

In order to simplify maintenance, short textual messages to actors are stored so that they easily can be updated. The following table documents the contents of these messages:

|  |  |  |
| --- | --- | --- |
| **Message Name** | **Message Content** | **Audience** |
| <Message Name> | <Message Text> | <Actor> |

## B. Open Issues

The following are open issues to be decided before this document is completed:

<Open Issue>

## C. Major TBDs

The following are major things to be done before this document is completed:

<TBD>