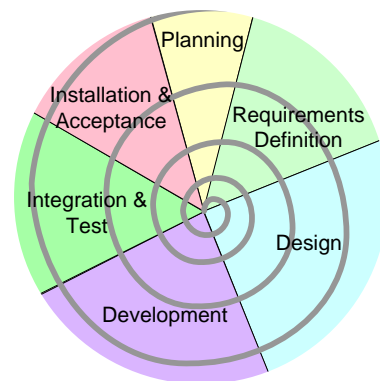


# Logical Database Description

## BOTS Core Functions Component

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<b>GLOSSARY OF PROJECT-SPECIFIC TERMS</b>	
Glossary of Software Engineering Terms	A standard <a href="#">Glossary of Software Engineering Terms</a> is maintained online. Terms specific to this project are maintained below.
Glossary of Project-Specific Terms	A common <a href="#">Glossary of Project-Specific Terms</a> is maintained on the project Web site.

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## INTRODUCTION

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This is the Logical Database Description for the Core Functions (CORE) component of the Basic Order Tracking System (BOTS) software development effort.

### PURPOSE

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The purpose of a logical database description is to define the basic structure of the application at a conceptual level. The logical database description focuses on high-level data storage areas, known as entities, the actors that interact with these entities, the relationships between the entities, and quantitative metrics about each entity.

This document is referenced by the requirements document for this component. The logical database description is maintained separately because it forms the basis for the physical database description and data dictionary, to be developed during the design stage. These documents are best maintained in independent form, due to internal hyperlinks and the way in which these documents are utilized.

### SCOPE

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This document begins with a logical Entity-Relationship Diagram (ERD), followed by definitions of each entity shown on the ERD. Each entity definition contains a description of the entity, a description of its relationships with other entities, a description of the actors that interact with these entities and their roles, and quantitative metrics used to anticipate data loading issues.

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## LOGICAL ENTITY-RELATIONSHIP DIAGRAM

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### BOTS CORE FUNCTIONS

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**BOTS Core Functions Logical ERD**

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## REFERENCES ENTITY

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### DESCRIPTION

The references entity stores setup and configuration information for the application, such as current version, technical contact information, and available queries, reports, and operations.

### RELATIONSHIPS

The references entity has no relationships to other entities.

### ACTOR INTERACTIONS

Role	Actors
Create	Database Administrator
Read	Everyone
Update	Database Administrator
Delete	Database Administrator

### METRICS

Measure	Value
Day Zero Quantity	20
Additions Per Year	5
Losses Per Year	2
Simultaneous Users	10

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## PREFERENCES ENTITY

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### DESCRIPTION

Preferences are user-specific sets of information used to manage the presentation of certain application features, such as the default export file type.

### RELATIONSHIPS

The preferences entity has no relationships to other entities.

### ACTOR INTERACTIONS

Role	Actors
Create	Database Administrator
Read	Everyone
Update	Everyone
Delete	Database Administrator

### METRICS

Measure	Value
Day Zero Quantity	50
Additions Per Year	20
Losses Per Year	10
Simultaneous Users	10