

# Backbase Fundamentals Training - Outline

## **Introduction**

- Getting familiar with the online environment
- Short introduction of participants
- Summary of the curriculum & planning
- Objectives of the training

## **Getting Started**

- Installing and configuring the Backbase Software
- Feature overview

## **Hello World**

- Namespaces
- Startup page and syntax

## **Using widgets**

- Overview of available widgets
- Usability 101
- Configuring widgets
- Including widgets
- Background: Model and View nodes
- Exercise

## **Loading data from the server**

- Automatic loading (includes)
- Lazy loading
- Optimizations for production use
- Exercise

## **Events, Commands, program logic**

- Events: W3C Events plus more
- Custom Events
- Event handlers
- Event bubbling
- Commands
- Program logic
- Conditional logic
- Calling functions and methods
- Exercise

## **XPath**

- Why XPath?
- XPath overview (notation, slashes, predicates, axes)

XPath & Backbase  
XPath extensions  
Exercise

## **Using JavaScript**

bb Core object  
Core API vs. DOM API  
Combining JavaScript with logic tags  
Exercise

## **Variables**

Variable usage  
Variable scope  
Get and Set  
Variables & XPath  
Exercise

## **DataSource and ListGrid**

Widget overview  
Data binding  
Paging  
Exercise

## **Server-side integration**

Remote data sources  
Reading data  
Updating data  
Exercise

## **Validating forms**

Required form fields  
Data types for field validation  
Showing and hiding error messages  
Custom validation  
Cross-field validation  
Exercise

## **Dynamically creating content**

Create an XML document dynamically client-side  
Dynamically show this document  
Bind form fields to a data source  
Exercise

## **Sending data to the server**

Send XML data to the server

Using c:load for server interaction  
Exercise

## **History and bookmarks**

Program the browser history behavior  
Set bookmarks for single page interfaces  
Create helper command for history management  
Exercise

## **Defining a widget**

Using a template for custom widget creation  
Defining Event handlers  
Configure widget behavior with attributes  
State management  
Exercise

## **Drag and drop**

Dragging items  
Drag and drop to move items  
Drag and drop to copy items  
Exercise

## **Desktop look and feel**

Menu bar  
Toolbar  
Windows  
Status bar  
Context menu  
Exercise

## **Deployment and optimization**

Optimizing load time  
Adding Ajax to plain HTML pages  
Proxies  
Load balancing  
Exercise

## **Wrap-up – 30 min**

Summary  
Covering optional topics  
Final Q&A