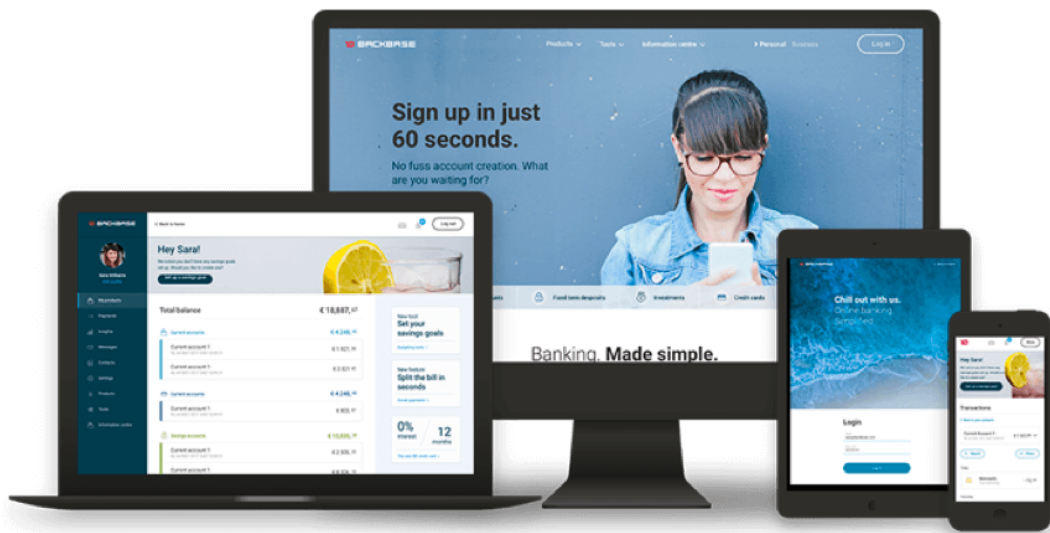


Backbase Widget Architecture 3

Certification Exam Study Guide



About this Document

This document provides references to help the trainees get prepared for the certification exam.

Version History

Version	Date	Description	Author
1.0	13-11-18	Initial	Guillermo Snipe
1.1	23-10-20	v1.1	Guillermo Snipe
1.2	30-11-20	v1.2	Guillermo Snipe

Legal Notice

All documents are intended for Backbase and partners only, and should not be disclosed to any third party. No part of this publication may be reproduced electronically, by photocopy or print, without written permission from Backbase.

© Backbase, 2019. All rights reserved.

Table of Contents

Introduction	4
Backbase Foundations	4
Widget Architecture 3	4
Technology Stack. Learning Resources.	5
ECMAScript 6 (ES6)	5
Angular	6
TypeScript	6
RxJS	6
Sass	7

Introduction

The purpose of this document is to provide you with a Study Guide towards your WA3 Certification Exam. This Study Guide shouldn't be considered as the "Definitive Guide to pass the test". It's just a way of helping you to prepare for the exam.

Backbase Foundations

The first day of training was all about Backbase Foundations. It's really important to have a very good understanding of the product, that's why we will ask you a few questions related to topics that were covered that day.

Find below a learning resources list:

- Backbase Community (Official Documentation for ALL Backbase Products).
- Foundations Training Slides.
- Discover CXS Basics trail: https://community.backbase.com/trails/cxs_basics

Widget Architecture 3

You can find the WA3 Documentation here: [Backbase WA3 Documentation](#)

It covers 100% of the topics that were delivered in the training course.

A video introduction is available here: <https://vimeo.com/370856556/01943e57e2>

We recommend you to read all the documents following this flow:

- Understand
- Install
- Adopt and Configure
- Extend
- Build

The Reference section is specially important: Backbase Guidelines for Angular SPAs, and API Reference can be found there.

Technology Stack. Learning Resources.

Backbase WA3 relies on Angular, TypeScript, ES6 and RxJS. We do use Sass for CSS Styling. That means that you will need to prove a very good understanding and knowledge of these technologies.

ECMAScript 6 (ES6)

There are several learning resources including books, websites, articles, etc. Some of them are free of charge, and some others will require a subscription.

<https://medium.freecodecamp.org/want-to-learn-es6-take-this-free-23-part-course-and-become-a-javascript-ninja-55002db1ff74> (Free course)

pluralsight.com (Subscription required)

egghead.io (Subscription required)

[ES6.io](https://es6.io) (Payware)

Because ES6 is a very broad topic to study, the following list might give you some guidance:

- Arrow Functions
- Sets / Maps
- Iterables
- Generators
- Maps
- Loops (all of them): for, for in, for of
- Await / async
- Promises
- let / const
- Template strings
- Classes.

Angular

There are several learning resources including books, websites, articles, etc. Some of them are free of charge, and some others will require a subscription.

<https://angular.io/docs> (Official docs)

<https://angular.io/tutorial> (Official Tutorial)

<https://codecraft.tv/courses/angular/> (Free course)

pluralsight.com (Subscription required)

egghead.io (Subscription required)

TypeScript

There are several learning resources including books, websites, articles, etc. Some of them are free of charge, and some others will require a subscription.

<https://www.typescriptlang.org/docs/home.html> (Official docs)

<https://medium.freecodecamp.org/want-to-learn-typescript-heres-our-free-22-part-course-21cd9bbb5ef5> (Free Course)

pluralsight.com (Subscription required)

egghead.io (Subscription required)

RxJS

There are several learning resources including books, websites, articles, etc. Some of them are free of charge, and some others will require a subscription.

The introduction to Reactive Programming you've been missing

<https://gist.github.com/staltz/868e7e9bc2a7b8c1f754>

<https://www.learnrxjs.io/> (Official documentation)

pluralsight.com (Subscription required)

egghead.io (Subscription required)

Sass

There are several learning resources including books, websites, articles, etc. Some of them are free of charge, and some others will require a subscription.

<https://www.codecademy.com/learn/learn-sass> (Free course)

<https://sass-lang.com/guide> (Official documentation)

pluralsight.com (Subscription required)

egghead.io (Subscription required)