



## INTRODUCTION TO ORBICODE

Orbicode is a software outsourcing company based in Sarajevo, Bosnia and Herzegovina, that focuses on high quality and cost-effective offshore web and software development services. With a vast experience in providing offshore software development and project management, we develop solutions that give your business an edge over your competitors.

Our main activities include:

- Web Applications & Web Services
- Android and iOS mobile development
- C#.NET, VB.NET, JAVA, ASP.NET, PHP,
- Web Applications using ASP.NET and ASP.NET MVC
- CMS and Portal Development
- Application Maintenance

We are a close-knit team that consists of driven, dynamic and talented people. We are professionals and specialists in object-oriented programming languages and with strong mathematical background. We always press on developing innovating solutions and learning new technologies. We can implement the most advanced computer technologies as well as develop new ones. The end result is very important to us. We prefer challenging tasks that give us an opportunity to learn new things.

# Infrastructure

## DataCentre infrastructure (Primary location):

Our primary DataCentre is located in Mostar (about 120 km far from Sarajevo). It has its own server room which is air-conditioned by two split systems. The whole system is powered by its own continuous power system with two 3KV crossed UPS systems and 5KV diesel electrical generating unit. It is under video surveillance. There are two Racks. One for servers and one for network devices. Hardware is based on x86 architecture commonly IBM branded. There is an IBM BladeCentre E with three blade servers (Two HS21 servers with 8 cores @ 2GHz and 16GB of memory for each and one HS22 server with 8 cores and 18GB of memory). In addition there are two more IBM servers for backup (One of these two servers is x3650 with 4 cores @ 2.3GHz and 10GB of memory and the second is x3650 with 8 cores 1.6GHz and 10GB of memory). BladeCentre and two other X3650 servers are connected to IBM DS3400 storage server of 1TB storage capacity by Fiber Optic technology with dual controller and RAID system. Whole system is virtualized and based on vmware vSphere 4.1 platform. Backup solution is implemented and based on Vizioncore vRanger Pro system.

DataCentre has a lot of network devices for proper communication with all network segments. It has also two separated internet uplinks with 2/6 Mbps (fiber optic media) and 2/2 Mbps (wireless media) capacity (download/upload). The whole system is secured by many of firewalls, intrusion prevention systems and antivirus systems.

This DataCentre is certified by ISO/IEC 27001:2005 standards.

Structured cabling is implemented by STP/FTP category 7 cables for gigabit local network.

## DataCentre infrastructure (Secondary location):

The development / testing / backup DataCentre is located in Sarajevo. It also has its own air-conditioned server room powered by continuous power system with 3KV UPS and 5KV diesel electrical generating unit. All servers are IBM branded.

There is an IBM BladeCentre E with one HS22 blade server (8 cores @ 2.4GHz and 22GB of memory). In addition there are three more IBM servers. Two of them are x236 (2 cores @ 3.2GHz with 10GB of memory for each) and one x3200 with 2 cores @ 2.4GHz and 4GB of memory. Storage server is IBM DS3300 - iSCSI based. Virtualization is presented and based on vmware vSphere 4.1 platform. Backup solution system is vRanger Pro. There are several network devices in separate communication rack. Internet uplink has a capacity of 2/2 Mbps (fiber optic media) with public IP addresses. The whole system is secured by firewalls, intrusion prevention systems and antivirus software. Structured cabling is implemented by STP/FTP category 7 cables for gigabit local network.

#### Development and testing infrastructure:

Development and testing departments has a lot of personal computers commonly based on x86/x64 dual/quad core systems (Acer Verotion, Apple Mac Pro, etc.) with 4GB or 8GB of memory. There is about fifteen to twenty similar computer configuration. Most of them are Windows 7 preconfigured and some of them are Linux based systems. Every computer has two 22" LCD monitors.

Work environment is defined in accordance with the recommendations of ISO 9241 standards.

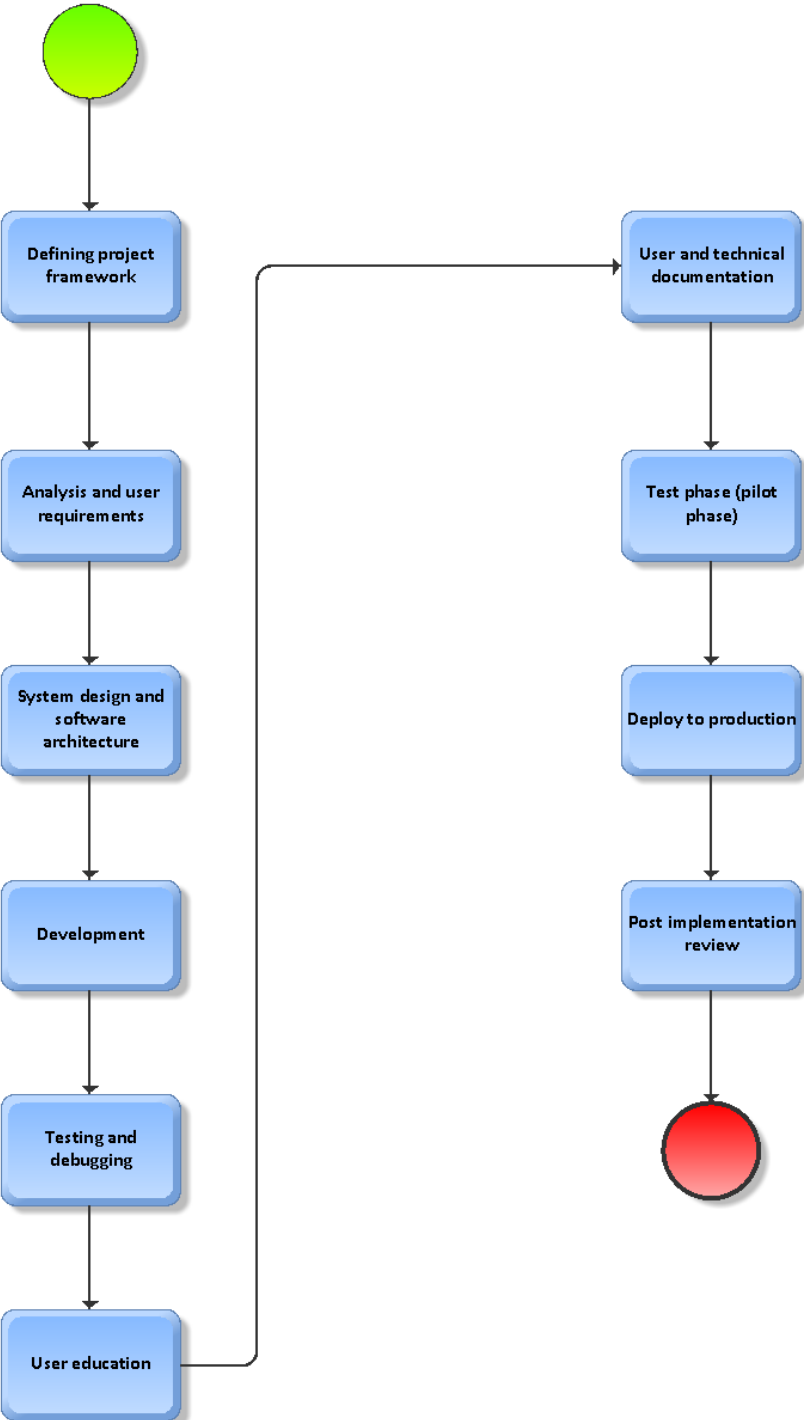
# Software development methodology - SDM in Orbicode

In Orbicode, we use two types of methodologies for software development.

## Customized SCRUM methodology



Waterfall methodology



## Portfolio

**Noble Porter – London, UK** – custom management system, delivery system, smart driver dispatcher system, payment system, HR system, monitoring etc.

<http://nobleporter.com/>

Project methodology: Scrum

Responsibility and liability: Design, development, implementation and maintenance of the system

Technologies used in the development: Client facing: JavaScript, node.js, cordova, phonegap, plugins for market, payment, notification, social media integration with both platforms. Server backend PHP backend and PHP database.

Platforms: Appforce, Android and iOS

Resource involved in the development: 3 senior developers, 3 junior developers, product owner.

Development time: 180 days

### **Rochester Electronics – Boston, USA**

Reliable web-based application for setting up and delivering accurate and consistent inventory data and pricing files for a variety of Rochester Electronics business partners.

Project methodology: Scrum

Responsibility and liability: Design, development, implementation and maintenance of the system

Technologies used in the development: JavaScript, HTML, CSS, Bootstrap, ASP.NET MVC, Social Media integration, custom cache/search engine

Development time: 30 days

### **Android and iOS App/Game – London, UK - Fifty Shadows**

[https://play.google.com/store/apps/details?](https://play.google.com/store/apps/details?id=com.codeten.fiftyshades&hl=en)

[id=com.codeten.fiftyshades&hl=en](https://play.google.com/store/apps/details?id=com.codeten.fiftyshades&hl=en)

<https://itunes.apple.com/us/app/fifty-shadows/id949600128?mt=8>

Project methodology: Scrum

Responsibility and liability: Design, development, implementation, maintenance of the app

Technologies used in the development: Client facing: JavaScript, node.js, cordova, phonegap, plugins for market, payment, notification, social media integration with both platforms. Server backend PHP backend and PHP database.

Platforms: Android and iOS

Resource involved in the development: 3 senior developers.

Development time: 160 days

## Portfolio

### **Android mobile - London, UK - imOK**

<https://play.google.com/store/apps/details?id=com.codeten.imok&hl=en>

Project methodology: Scrum

Responsibility and liability: Design, development, implementation, maintenance of the app

Technologies used in the development: Java, Android SDK, ASP.NET MVC, WordPress web service - plugin, JSON.

Platforms: Android.

Resource involved in the development: 1 senior developers.

Development time: 5 days

### **Android mobile - Sarajevo, Bosnia - SarajevoTimes**

<https://play.google.com/store/apps/details?id=ba.anet.times>

The app downloads and syncs the latest news from Bosnia directly to your device for online or offline reading. Share articles via e-mail, Facebook and Twitter.

Project methodology: Scrum

Responsibility and liability: Design, development, implementation, maintenance of the app

Technologies used in the development: Java, Android SDK, ASP.NET MVC, WordPress web service - plugin, JSON.

Platforms: Android.

Resource involved in the development: 1 senior developers.

Development time: 15 days

### **Android mobile - Istanbul, Turkey - VSM**

The official Android app for Virtual Social Manager. VSM is cloud system from you can listen, understand and react to your audience's concerns on Twitter. Never worry that you will be caught off-guard with real time monitoring and alerts.

<https://play.google.com/store/apps/details?id=ba.anet.vsm>

Project methodology: Scrum

Responsibility and liability: Design, development, implementation, maintenance of the app

Technologies used in the development: AngularJS, JavaScript, HTML, Bootstrap, Web API, Android SDK, iOS SDK, Java, Some services are written in C++ and some are written in C#, we used a library such as linq2twitter, ZeroMQ etc. Developed using PhoneGap.

Platforms: Android, iOS.

Resource involved in the development: 1 senior developers.

Development time: 7 days VSM

# Portfolio

## **DoktorTV.com - Istanbul, Turkey**

Content management system based on Microsoft Orchard provide sharing reliable health information: DoktorTV is a platform for sharing reliable health information directly to visitors, offers an interactive and multimedia approach. Easier for everyone: Reliable access to information easier for everyone by eliminating the drawbacks DoktorTV patients offers an alternative communication channel. Promote health information: DoktorTV with interactive modules and qualified construction of new media in the scheme aims to promote health information.

New experience: Experienced in communications technology, with social responsibility and respect for medical ethics DoktorTV offers a new experience for doctors and patients.

<http://www.doktortv.com>

Project methodology: Scrum - Kanban

Responsibility and liability: Design, development, implementation, maintenance of the system

Technologies used in the development: .NET (Orchard platform), JavaScript, HTML, CSS, Bootstrap, ASP.NET MVC, Social Media integration, custom cache/search engine build on Orchard platform.

Platforms: Web Orchard.

Resource involved in the development: 2 senior developers, 2 juniors, 1 project manager, 3 QA.

Development time: 26 months

## **Virtual social manager - Istanbul, Turkey - VSM**

VSM is a web-based software as a service (SaaS) that allows its users to manage their social media channels and monitor keywords among Twitter and comments on news sites & blogs. VSM basically works with 2 main service: Social Manager and Social Monitoring.

<http://ssm.orbicode.com>

Project methodology: Scrum

Responsibility and liability: Design, development, implementation, maintenance of the app (source code is in our property)

Technologies used in the development: JavaScript, HTML, Bootstrap, Java, Some services are written in C++ and some are written in C#, we use some library like linq2twitter, ZeroMQ and some other stuff.

Platforms: Web.

Resource involved in the development: 2 senior developers, 1 project manager.

Development time: 3 months

**And many more.**





IF YOU WOULD LIKE AN OFFER FOR A PROJECT YOU  
HAVE IN MIND, PLEASE DON'T HESITATE TO CONTACT  
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