

Receipe of the Day

By nock&null

Project Plan

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Version 1

MIS336-2014 Term Project
Boğaziçi Üniversitesi MIS Department

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1 Introduction

This is a software project which is developed by nock&null for MIS 336 Business Program Development. Analyze of the project is performed by another company. This document includes reviewing the design, making necessary changes, building and maintaining the system.

This document is organized as follows:

- Project Description
- Work breakdown
- Work Effort Estimation

1.1 Product Description

The purpose of the project was initiated in order to simplify people's daily cooking work. It aims to enable users to browse and search for recipes, save recipes they find and plan weekly cooking schedule. Additionally, the system makes users save effort for which people usually spend a lot time while thinking what and how to cook.

1.2 Customer Information

Recipe of day addresses to all internet users who can utilize this system in daily cooking. Especially housewives, workers and cooking enthusiasts who use the internet actively may benefit from project features. Furthermore, starters can utilize the project to develop their recipe range in the kitchen.

1.3 Company Overview

nock&null is a software company that adopts "Develop Responsibly" as a principle to produce cool, innovative and hipster products. The main working area is building web and mobile projects with new technologies. The company was established in 2014 and located in Istanbul.

1.3.1 Company Staff

nock&null is basically managed by four young technology enthusiasts:

Burak Sönmez: *Team Leader*

Up-to-date, night watcher, movie and series follower

Demirhan Aydın: *Software Developer*

Hardware bender, amateur drone pilot

Fatih Karadeniz: *Digital Marketing Associate*

Wanderlust, integer developer, brewery explorer, big fan of "Gannicus"

Ömer Faruk Aydın: *Software Developer*

Passionate programmer, coffee addicted, hard technology follower

1.3.2 Scope

Recipe of the day supports only Turkish content recipes. It does not cover all languages but there is no limitation for any cuisine in the world. Mobile and desktop users can reach the content easily. Only administrators are able to add new content, however users can suggest new receipts to expand the coverage of the system.

1.3.3 Constraints

Capital seems to be the biggest problem and following that time limitation can be the secondary issue.

1.3.4 Resources

Fundamental technical and operational costs are shown in the table below:

ITEM	Description	Quantity	Price/Salary (TL)	Cost monthly (TL)	Cost annually (TL)
1	Hosting details	1	200	200	2400
2	Domain	1	24	-	24
3	Salary Of Employees	4	2500	10000	120000
4	Computer Hardware(macbook air 11" details)	4	2600	-	10400
5	Internet Connection Fees	1	50	50	600
	TOTAL				133424

1.3.5 Methods

The project is built on top of Ruby programming language and Rails web framework. For database solution postgresql is used for as a persistence database. In addition to this, Redis (which is key value storage) is used for basic caching operations. All object oriented modeling operations are prepared on IBM Rational Rose. The team prefers to use agile software development. For front –end framework, Bootstrap meets the requirements.

2 Work Breakdown

1.User Interface Development	2.Database Development	3.Code Development
1.1.Determine Required Pages	2.1.Determine Entities &Tables	3.1. Preparing Local and Production Environments
1.2.Design Pages	2.2.Determine Indexes & Views	3.2.Creating MVP
1.3.User Experience Tests		

3 Work Effort Estimation

MIS336 Software project effort estimation					
Project name			Date		
Recipe of The Day			10.04.2014		
No	Task/module name	User Interface	Database	Code complexity	Effort (days)
1	Determine require pages	2-Low	0-None	0-None	1
2	Create design template	3-Medium	0-None	0-None	2
3	Determine page content	3-Medium	0-None	0-None	2
4	Implement page templates with content	3-Medium	0-None	0-None	2
5	Apply user experience test	4-High	0-None	0-None	2
6	Design development complete	0-None	0-None	0-None	1
7	Determine entities and tables	0-None	3-Medium	0-None	1
8	Determine indexes and views	0-None	3-Medium	0-None	1
9	Database development complete	0-None	0-None	0-None	1
10	Preparing local and production environments	0-None	0-None	2-Low	3
11	Code the system	0-None	0-None	4-High	5
12	Merge front-end with back-end	0-None	0-None	4-High	5
13	Database Connection	0-None	0-None	3-Medium	4
14	Deploy production	0-None	0-None	3-Medium	4
15	Check security vulnerabilities	0-None	0-None	4-High	5
16	Maintain environments	0-None	0-None	4-High	5
17	Code development Complete	0-None	0-None	0-None	1
				Total	45