

**BLG 411E**

Software Engineering

**IHDB**

**Project Plan**

**Group No: 17**

**Members**

<b>Name</b>	<b>ID</b>
Yavuz Ege Okumuş	150160118
Egehan Orta	150160124
Yiğitcan Çoban	150160039
Vedat Günel	150150011
Halit Arıkan	150150102

**Date of Delivery**

23.10.2019

## 1.Introduction

### 1.1 Scope

IHDB(Internet Headphone DataBase) is a solution to those who face the problem of finding a headphone. As technology develops many headphones with various features and capabilities are on the market, but as customers we have pretty much no knowledge about what to seek when we search for a headphone. That's why IHDB offers to guide those who need help while searching for headphone with bringing the necessary features of headphones forth. With our experienced team we offer brief but efficient reviews about headphones to help people understand if a headphone is suitable for them. Moreover, since headphones have technical features, some may find it difficult to understand the terms, it is offered to have brief explanations of the terms to help people get into the world of headphones. Our goal is to enlighten people about headphones and provide them a safe and informing journey through the world of headphones.

### 1.2 Deliverables

Delivirable Name	Deliverable Information
Web Application	Functional application of project.
Source Code	Source code of all project.
Test Report	Report of tests.
Final Demo	Working final demo of project.
Presentation	Presentation of project.

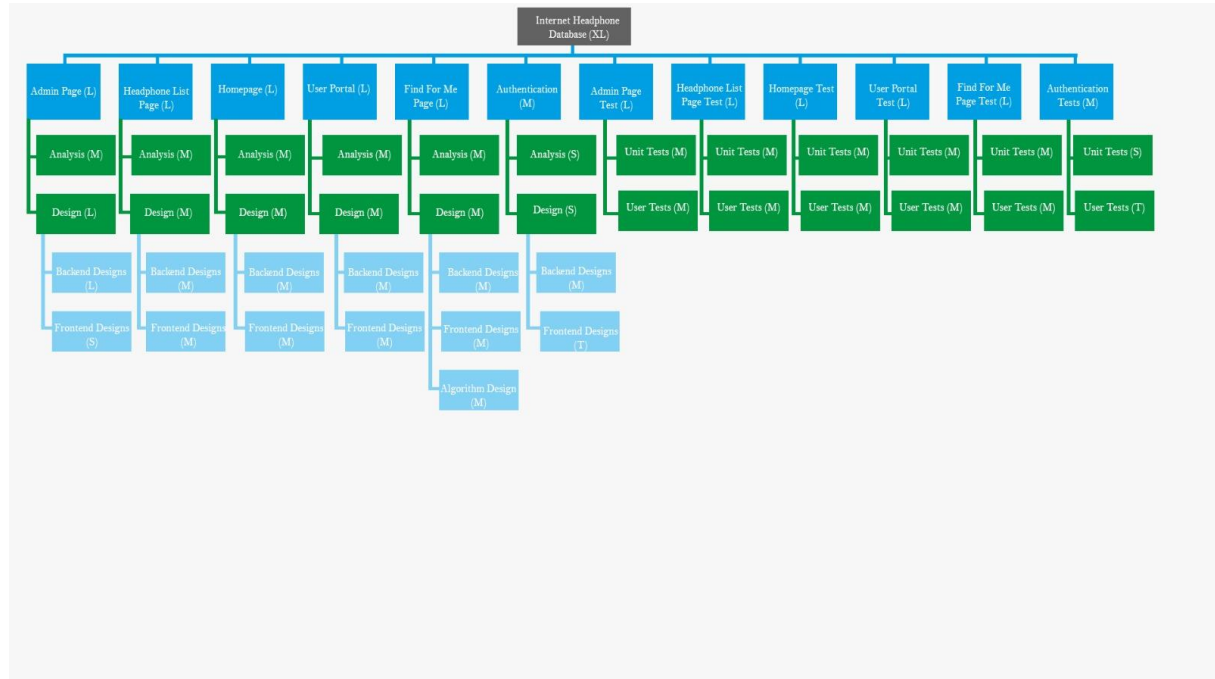
### 1.3 Epics

	Related Deliverable	Explanation
Admin Page Implementation	#1,2	Implementetion of admin portal which lets admins reach DB
Headphone List Page Implementation	#1,2	View headphones on the webpage
Homepage Implementation	#1,2	Homepage for news, ads
User Portal Implementation	#1,2	Profile editing page
Find For Me Page Implementation	#1,2	Personal Headphone Recommendation Viewing
Authentication	#1,2	Registration and Login pages
Admin Page Tests	#1,2,3	Test implementations for admin page
Headphone List Page Tests	#1,2,3	Test implementations for headphone list page
Homepage Tests	#1,2,3	Test implementations for homepage
User Portal Tests	#1,2,3	Test implementations for user portal page
Find For Me Page Tests	#1,2,3	Test implementations for find for me page
Authentication Test	#1,2,3	Test implementations for authentication pages

### 1.4 Non-functional Issues

Compatability	Website should work on all browsers
Reliability	Headphone data should be reliable
Usability	Interface should be easy to use
Performance	Datas should load to website quickly
Security	User informations must be protected
Modifiability	Architecture should allow new implementations
Accuracy	Headphone finding depending on user data should be accurate

## 2.Project Plan



### 3.Estimates

TASK NAME	START DATE	END DATE	START ON DAY	DURATION (WORK DAYS)
<b>Deliverables</b>				
Project Plan	16/10	23/10	0	8
Requirements Specification	23/10	5/11	7	14
Design Document	3/12	17/12	48	15
Test Report	17/12	24/12	62	8
<b>Analysis Phase</b>				
Admin Page Analysis	23/10	28/10	7	6
Headphone List Page Analysis	23/10	27/10	7	5
Homepage Analysis	23/10	26/10	7	4
User Portal Analysis	23/10	26/10	7	4
Find For Me Page Analysis	23/10	28/10	7	6
Authentication Analysis	23/10	27/10	7	5
<b>Design Phase</b>				
Admin Page Design	29/10	3/11	13	6
Headphone List Page Design	29/10	1/11	13	4
Homepage Design	29/10	31/10	13	3
User Portal Design	29/10	1/11	13	4
Find For Me Page Design	29/10	4/11	13	7
Authentication Design	29/10	3/11	13	6
<b>Implementation Phase</b>				
Admin Page Implementation	5/11	9/11	20	5
Headphone List Page Implementation	10/11	15/11	25	6
Homepage Implementation	16/11	19/11	31	4
User Portal Implementation	20/11	24/11	35	5
Find For Me Page Implementation	25/11	30/11	40	6
Authentication Implementation	1/12	5/12	46	5
<b>Testing Phase</b>				
Admin Page Testing	6/12	11/12	51	6
Headphone List Page Testing	6/12	12/12	51	7
Homepage Testing	6/12	10/12	51	5
User Portal Testing	6/12	12/12	51	7
Find For Me Page Testing	6/12	14/12	51	9
Authentication Testing	6/12	13/12	51	8

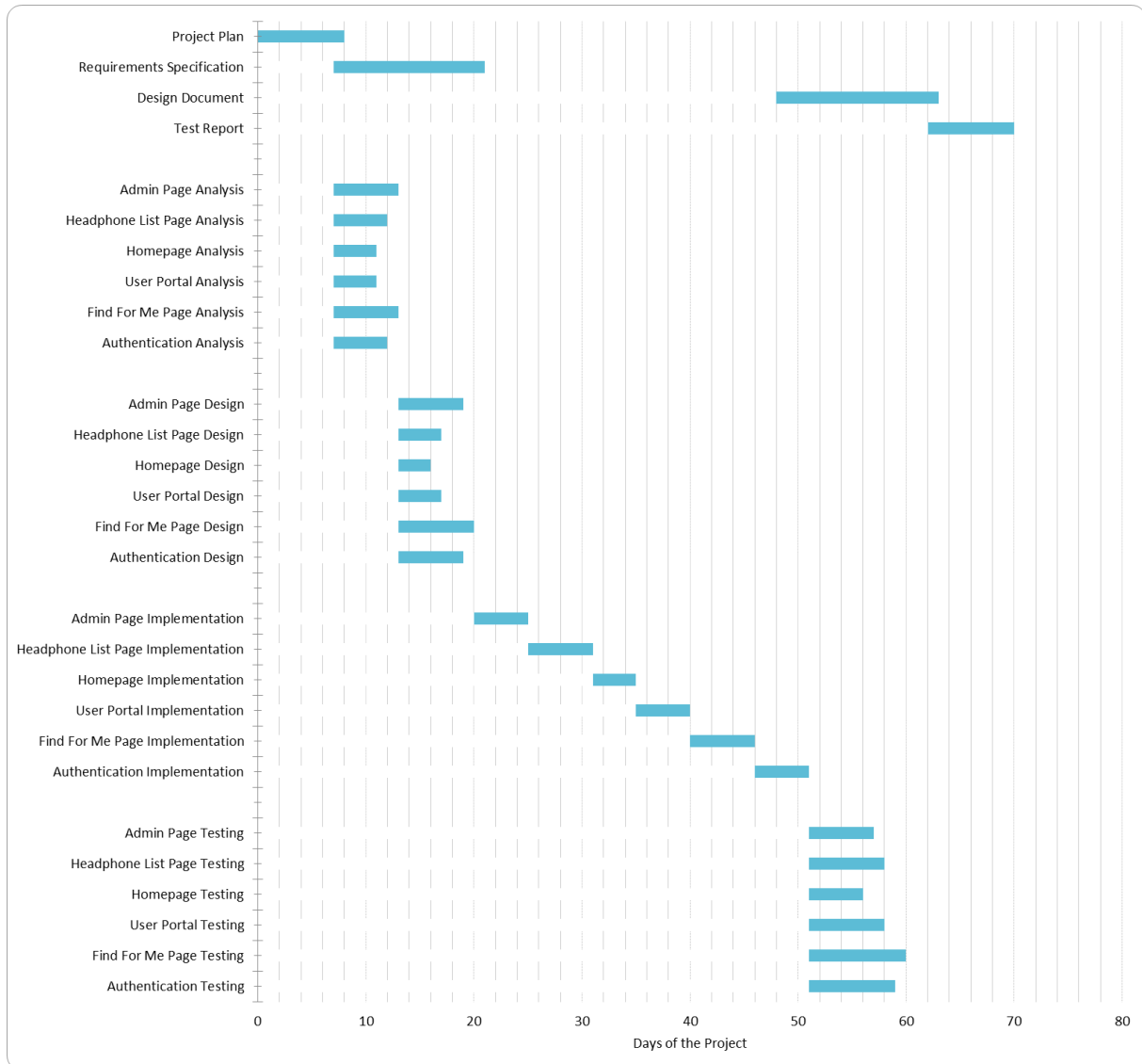
### 4.Resources

Member Name	Student Number	Member Role
Yavuz Ege Okumuş	150160118	General Management
Egehan Orta	150160124	UI Management
Yiğitcan Çoban	150160039	Web Service Management
Halit Arıkan	150150102	Test Management
Vedat Günel	150150011	Database Management

Member Name	Student Number	Assigned Task
Yavuz Ege Okumuş	150160118	Whole website Front-end and support to the Webservice
Egehan Orta	150160124	Front-end developing
Yiğitcan Çoban	150160039	Main algorithms and web-services
Halit Arıkan	150150102	Testing and feedbacking
Vedat Günel	150150011	Data manipulation, database management

## 5.Schedule



## 6.Risks

Risk	category	Impact	Probability	Mitigation
Audiophile masters may be incompetent	ST		1 %20	As site owners, we should pick audiophile masters carefully and if there are complaints about certain audiophile masters we should take his/her title away.
Recommendation system might not work properly	CU	2	%40	Our algorithm should be persistent and customers must know what they want in order to use this feature properly.
Servers may crash	TE	3	%5	In our project we are using Amazon Web Services so it is unlikely to happen but when it happens we can not do anything.
Personal data of users may be stolen	DE	3	%5	We must code well and test our system meticulously against bugs.
This website may not be used frequently because of its scope which will decrease income	BU	2	%15	We should add more features, news and headphones to keep this website alive.
Advertisers may publish wrong specifications about their product in our news section	BU	2	%10	We should have a team which checks the specifications of advertisers product
There may not be enough product in our database for users to compare and decide correctly	PR	2	%20	At the first stage, we should find enough audiophile masters to add headphones to our database, then this problem will disappear.
Once the website is built, it may not develop further	DE	1	%50	Our team should do R&D work regularly and try to listen customers about what to do next.
Audiophile Masters may corrupt and publish bad comments about good products or otherwise	CU	3	%30	We must add a report system so when such incident happens, we can react quickly to ban those audiophile masters.
Server capacity may not be enough	PS	1	%1	Again, we are using AWS so it is very unlikely to happen. When it happens we can not do much.
There may be conflicts between team members	ST	3	%60	We should provide a good working place and atmosphere for team members and work with discipline
A bad planning may cause longer development process	ST	2	%50	We have to have a good plan and we must stick to our working process
Someone else may copy our idea easily	BU	1	%80	Our website should have unique features and interface for our customers to be loyal to us.