

A decorative graphic on the right side of the page. It features three overlapping circles of varying sizes, each composed of concentric layers of different shades of blue. Two thin, light blue lines intersect at the top left and extend diagonally across the page, framing the circles.

# Tekstitelevisio

## PROJECTPLAN 1.0

Project plan for the txt-television project. Txt television is a project produced in the Android Code Camp that aims to provide text television to android phones in an easy and useful way.

6

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## VERSIONHISTORY

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Version	Date	Producer	Explanation
<b>1.0</b>	15.03.2010	Petri Hienonen Niko Reunanen Joel Kurola	Skeleton and styling, first draft

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# CONTENT

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## **1. INTRODUCTION**

### **1.1. MEANING**

Project has it aim at producing working text television program for Android environment. Our team sees that there is a large user base available for use of mobile text television. Text television is still widely in use because of its easiness to reach relevant news information fast and when people need it. Though text television can be reached from the web with browser it doesn't fit well into a screen, fonts are hard to read and accessing it needs active internet connection. Our project aims to produce program that sole purpose is to provide text television, easily and always with you when you need to reach the most relevant news.

### **1.2. PRODUCT AND ENVIROMENT**

Product will be produced using Eclipse and Android development toolkit. Unfortunately we can not test program using real Android device, but we hope that emulator will be enough to produce balanced and bug free software. Program will be produced against newest android API 2.1. In the program we will also be using SQLite database to store information and make searches.

## **2. ADVANTAGES AND DISADVANTAGES**

### **2.1. ADVANTAGES**

Because our programs sole purpose will be to provide seamless and easy to use user experience will it be very good at what it does. This provides several advantages over programs like browsers and feed readers. For example new information from certain sport events will be very easy follow through bookmarks and automatic notifications if new information will be available. The most important advantage is high usability.

### **2.2. CHALLENGES**

Text reader is very dependant on the internet and if there is no connection, there will be no new news. The tight time limit and virtually no previous experience of android will provide challenges that we shall hopefully overcome. At our advantage we have lots of good example code and several books explaining Androids soul-life.

## **3. PROJECT MANAGEMENT**

### **3.1. TEAM**

Our team consists of three persons. Two of the team has previous experience on java programming and all are somewhat common in UI development. Anyone doesn't have any previous knowledge about android.

### 3.2. USERCASES

Use Case Number:	1
Date added:	15.03.2010
Use Case Name:	Browsing text television
Description:	Marko on käyttänyt tekstileviota koko elämänsä. Hän on hyvin tottunut käyttämään teksti televisiota ja on hankkinut myös uuten Android puhelimeensa sovelluksen TxtTelevision. Nyt tekstitelevisio kulkee aina markon mukana ja tarjoaa hänelle ajankohtaista tietoa aina kun sitä on saatavana. Marko on tyytyväinen.

### 3.3. FUNCTIONAL REQUIREMENTS

Functional requirements are gathered from the ideas of the developers. Module column is abstract category that currently has no real meaning. Importance is decided so that features more important to users are prioritized higher. 5 is the highest priority and 1 the lowest.

ID	Status	Name	Module	Description	Importance 1-5
1	TODO	Network status	Networking	Client checks if network is available to fetch data	2
2	IN PROGRESS	Download content	Networking	Downloads data from selected provider-module (yle etc.).	5
3	TODO	Parsing data	Networking	Parse the data to be able to use it efficiently	4
4	TODO	Convert data	Database	Save downloaded data into SQLite – database. See attachment #1.	3
5	IN PROGRESS	Fetch & Show	User interface	Fetch page using page number and render it using webview	5
6	TODO	Search	Database	Search pages from database by term defined by user	1
7	TODO	Search relevance	Database	Calculate relevance for search results	1
8	TODO	Bookmark	Database	Add bookmarks to pages	2
10	TODO	History	Database	History of visited pages	2
11	TODO	Automatic fetching	Networking	Fetch defined pages at defined intervals	3
12	TODO	Settings	User interface	User interface for changing settings	3
13	TODO	Providers	Networking	Add additional service providers using filters	2
14	TODO	Flip page	User interface	Change page using finger gestures	1
15	IN PROGRESS	Arrow keys	User interface	Change pages using arrow keys	5
16	DONE	Page box	User interface	Allow user to define wanted page	5
17	TODO	Change colors	User interface	Allow user to change font color	1

## **4. GOALS AND ENDING**

### **4.1. GOAL**

Our goal is to produce working and bug-free text television client and add as much functionality as we can in a given time.

### **4.2. FAILURE CRITERIA**

The project is considered to be a failure if we can't make a functioning program till deadline, or the final product is buggy and hard to use.

### **4.3. ENDING CRITERIA**

Project will end on 19.03.2010 when it will be presented to our competitors

## **5. FAILED IDEAS**

## **6. PROJECT SUCCESS AND ENDING**

## ATTACHMENT1: DATABASE TABLES

### Page containment

Name	Fetch time	ID	Page	Depth	Data
Data type	Time	INTEGER	INTEGER	INTEGER	TEXT
Notification	NOT NULL	Primary key Auto increment	UNIQUE NOT NULL	NOT NULL, DEFAULT 1	

## ATTACHMENT2: UML-MODEL

# ATTACHMENT3: FIRST DRAFT

