

Project Title

Distributed Systems – Project Proposal

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ABSTRACT

This proposal should conclude the initial planning phase. This is where you choose a project, set your goals, clarify your ideas, and find the materials you will need. Concisely state (a) System overview (b) software and hardware you intend to use in this project, (c) expected deliveries of this project.

1. INTRODUCTION

Introduction to the problem you are working on, why is it important and what makes it challenging to solve, spell out the distributed systems challenges and how you plan to tackle them. State the technical problem you intend to solve. Indicate how it might be useful. This can be brief; it is just an introduction to the next section.

Use this section as well for background information, particularly if your project is building on previous work. If it is doing that, you need to refer to the work, describe it, and say how you are extending it. What are the new ideas?

Use references such as books [3], papers [5], or specifications [4] whenever available. Web-sites for documentation [2], tutorials, etc., are a special case. In a thesis, you would put them as footnotes. At this stage, however, you will only have a few “real references”, so we put the Web-sites into the bibliography. Cite every source you used throughout the project.

2. SYSTEM OVERVIEW

This is the core of the proposal. It is where you spell out your technical plan and explain the project design. Expected evaluation/demonstration issues would also be addressed in this section. Use helpful figures such as Figure 2 and Figure 3, explain the figures in the text where you reference them.

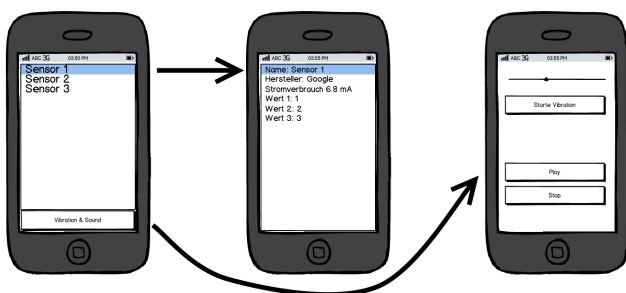


Figure 1: Only include useful figures. Do not simply copy something from a Web.

3. REQUIREMENTS

Describe system setup, components, external libraries, hardware etc.

4. WORK PACKAGES

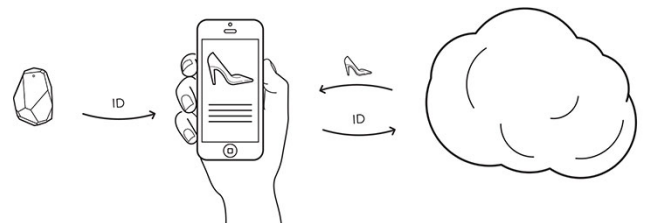


Figure 2: System Overview [1]

Breakdown the work to subtasks to meet the project requirements. Define and describe these tasks.

- **WP1:** XYZ ...
- **WP2:** Set and Configuring Backend Serve ...
- **WP3:** Integration ...
- **WPx:** ...

Stick to a concise, scientific writing style.

5. MILESTONES

The milestones section provides a work plan for carrying out the project. This is your schedule for getting the project done. Clearly state how the work packages will be distributed among the team members.

6. REFERENCES

- [1] Estimote. <http://estimote.com/>. Accessed on 26 Oct 2015.
- [2] Services: Sending Notifications to the User. <http://developer.android.com/guide/components/services.html#Notifications>. Accessed on 29 Aug 2013.
- [3] E. Burnette. *Hello, Android: introducing Google's mobile development platform*. Pragmatic Bookshelf, 3 edition, 2010.
- [4] R. Fielding, J. Gettys, J. Mogul, H. Frystyk, L. Masinter, P. Leach, and T. Berners-Lee. Hypertext Transfer Protocol – HTTP/1.1. RFC 2616, 1999.
- [5] R. T. Fielding. *Architectural Styles and the Design of Network-based Software Architectures*. Phd thesis, UC Irvine, 2000.