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Revision History

|  |  |  |  |
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| **Date** | **Version** | **Description** | **Author(s)** |
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| 29-01-2018 | 0.4 | Incorporated notes from co-workers | Jašková |

# Introduction

[The introduction of the **Software Requirements Specification (SRS)** should provide an overview of the entire **SRS**. It should include the purpose, scope, definitions, acronyms, abbreviations, references, and overview of the **SRS**.]

[Note: The Software Requirements Specification (**SRS**) captures the complete software requirements for the system, or a portion of the system. This document describes a typical **SRS** outline for a project using only traditional natural-language style requirements – with **no use-case modelling.**.]

[Many different arrangements of an **SRS** are possible. Refer to [IEEE830-1998] for further elaboration of these explanations, as well as other options for organizing an **SRS**.]

## Purpose

Purpose is to create Web application where publisher is able to create custom universal Poll/Survey. Voter is able to vote on.

[Specify the purpose of this **SRS**. The **SRS** should fully describe the external behaviour of the application or subsystem identified. It also describes non-functional requirements, design constraints and other factors necessary to provide a complete and comprehensive description of the requirements for the software.]

## Scope

[A brief description of the software application that the **SRS** applies to; the feature or other subsystem grouping; what Use-Case model(s) it is associated with; and anything else that is affected or influenced by this document.]

## Definitions, Acronyms and Abbreviations

IPWA stands for Inter-Poll Web Application

DB stands for Database

BE stands for Backend

FE stands for Frontend

[This subsection should provide the definitions of all terms, acronyms, and abbreviations required to properly interpret the **SRS**. This information may be provided by reference to the project Glossary.]

## References

[This subsection should provide a complete list of all documents referenced elsewhere in the **SRS**. Each document should be identified by title, documentation number (if applicable), date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

[This subsection should describe what the rest of the **SRS** contains and explain how the document is organized.]

# Overall Description

Ness Inter-Poll Web Application (further only “IPWA”) will be intended for internal purposes. Ness employee (further only “Publisher”) with dedicated permissions to IPWA will be able to CREATE, UPDATE, DELETE and PUBLISH own poll. Publisher should be able to see list of own poll/survey documents. After publishing publisher should be able to see ongoing results on its own poll. Internal Ness employee (further only “Voter”) is able to vote on poll.

[This section of the **SRS** should describe the general factors that affect the product and its requirements. This section does not state specific requirements. Instead, it provides a background for those requirements, which are defined in detail in Section 3, and makes them easier to understand. Include such items as:

• product perspective

• product functions

• user characteristics

• constraints

• assumptions and dependencies

• requirements subsets]

# Specific Requirements

[This section of the **SRS** should contain all the software requirements to a level of detail sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements. When using use-case modelling, these requirements are captured in the Use-Cases and the applicable supplementary specifications.]

## Functionality (USE CASES)

[This section describes the functional requirements of the system for those requirements which are expressed in the natural language style. For many applications, this may constitute the bulk of the **SRS** Package and thought should be given to the structure of this section. This section is typically structured by feature, but alternative structures may also be appropriate, for example, structure by user or by subsystem. Functional requirements may include feature sets, capabilities, and security.

Where application development tools, such as requirements tools, modelling tools, etc., are employed to capture the functionality, this section will refer to the availability of that data, indicating the location and name of the tool that is used to capture the data.]

### Publisher log in into IPWA

Will be decided how to proceed

### Publisher SEEs home page

**Home page –** **Polls navigation tab** contains:

* Navigation header with tab names:
  + Polls – contains:
    - Possibility to create new Poll/Survey in new work frame window – *CREATE button*
    - List of created Polls/Surveys. Each selected Poll/Survey can be edited, deleted, grouped, published
    - Possibility to create new Poll/Survey group – CREATE GROUP button
    - Possibility to move Poll/Survey into created group

These groups created by publisher on home page separates Polls/Surveys by Publisher preferences, e.g.: by topic, dates, whatever else..

* + Reports- contains:
    - List of published Polls with graphically displayed results
    - List of published Surveys with graphically displayed results

### Publisher CREATEs Poll/Survey

Publisher sees *CREATE button* in **Polls navigation header tab**. Clicking on button opens work frame window, which can be closed if required. Closing work frame window returns publisher to Polls navigation header tab.

Work frame window shows publisher following items:

* Multiple choice Poll -> basic Poll layout
* Survey -> basic Survey layout (title of survey + list of Multiple choice Poll)
* Clickable Poll -> Poll with clickable image area

#### Publisher in work frame selects basic layout template

##### Poll

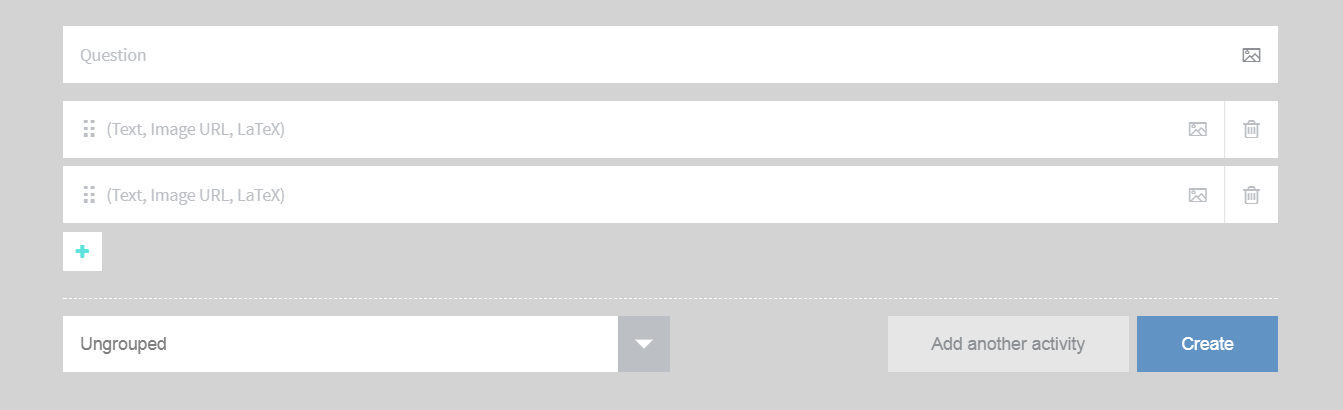
Layout contains body part. Body part contains: Question & two answer fields by default (further known as **poll section**). Answer field can be added under (as many as required)

Question -> text and/or image can be inserted

Answer -> drag & drop field. Text and/or image can be inserted. Should be possible to delete.

Poll can be assigned to created group or stay ungrouped. Drop down field have a possibility to create new group.

Example



##### Survey

Layout should be divided into header & body part. Header should contain title text field. Body should contain single poll section. Other poll sections can be added under (as many as required)

##### Clickable Poll

Layout contains body part. Body part contains: Question & area to upload image or select from predefined images (further known as image upload section).

### Publisher CONFIGUREs created Poll/Survey

**Configuration tab next to Poll/Survey** should provide publisher possibility:

* To change layout look:
  + change layout background colour from palette or pre-defined images
  + change layout background by image upload (apply image restriction)
  + change text style
* To set up Poll/Survey:
  + change response settings:
    - how many times Voter can response – only once/many times
    - if Voter can change answer
  + change Poll/Survey availability:
    - to be available while manually unpublished
    - via calendar picker (from/to)

### Publisher TESTs Poll/Survey

Test tab next to Poll/Survey should provide publisher possibility:

* To see Poll/Survey in real format
* Fill or act over as a real Voter

### Publisher PUBLISHs Poll/Survey

Publish tab next to Poll/Survey should provide possibility:

* To publish not activated Poll/Survey – Poll/Survey becomes visible on dedicated URL
* To finish publishing of Poll/Survey – Poll/Survey is no more visible on URL
* To find URL link to share
* To send URL to list of email recipients with basic information about it

### Publisher SEEs Poll/Survey reports

**Home page –** **Reports navigation tab** contains:

* List of published Polls with graphically displayed statistic results
* List of published Surveys with graphically displayed statistic results

Every item of displayed lists is clickable link which opens new window to see statistic results.

Publisher should be able to select criteria of results he want to see, e.g. group results of poll/survey:

* by day
* by answer
* by scale range
* others..

Publisher is able to configure colour graph look.

Publisher is able to generate graphs and save them under Poll/Survey.

Publisher is able to export results to excel file or pdf file.

Reports are updated constantly while Poll/Survey is alive

### Voter VOTEs

Voter receives Poll/Survey notification email with URL link and basic Poll/Survey information.

Voter clicks on URL and Poll/Survey comes up in default browser.

* Poll/Survey is configured to DO NOT allow to vote from fully anonymous voters. Voter needs to insert at least:
  + Email address
  + Or fill in basic information like voter’s first name & last name
  + Others..

Voter fills up Poll/Survey and saves it.

Voter is able to leave Poll/Survey anytime.

If Poll/Survey is configured to not be answered by same Voter more times, system does not allow it.

If Poll/Survey is configured to do allow edit answer, system takes this into account.

### Administrator control Users

Administrator is able to see list of users with their permissions and is able to see their contribution.  
Administrator is able to modify users information, permissions and reset their password.  
Administrator is able to delete users.  
Administrator is able to modify or delete all Polls/Surveys.

[The requirement description.]

## Usability

[This section should include all of those requirements that affect usability. For example,

• specify the required training time for a normal users and a power user to become productive at particular operations

• specify measurable task times for typical tasks or base the new system’s usability requirements on other systems that the users know and like

• specify requirements to conform to common usability standards, such as Microsoft’s GUI standards]

### <Usability Requirement One>

[The requirement description goes here.]

## Reliability

[Requirements for reliability of the system should be specified here. Some suggestions follow:

• Availability—specify the percentage of time available ( xx.xx%), hours of use, maintenance access, degraded mode operations, etc.

• Mean Time Between Failures (MTBF) — this is usually specified in hours, but it could also be specified in terms of days, months or years.

• Mean Time To Repair (MTTR)—how long is the system allowed to be out of operation after it has failed?

• Accuracy—specify precision (resolution) and accuracy (by some known standard) that is required in the system’s output.

• Maximum Bugs or Defect Rate—usually expressed in terms of bugs per thousand of lines of code (bugs/KLOC) or bugs per function-point( bugs/function-point).

• Bugs or Defect Rate—categorized in terms of minor, significant, and critical bugs: the requirement(s) must define what is meant by a “critical” bug; for example, complete loss of data or a complete inability to use certain parts of the system’s functionality.]

### <Reliability Requirement One>

[The requirement description.]

## Performance

[The system’s performance characteristics should be outlined in this section. Include specific response times. Where applicable, reference related Use Cases by name.

• response time for a transaction (average, maximum)

• throughput, for example, transactions per second

• capacity, for example, the number of customers or transactions the system can accommodate

• degradation modes (what is the acceptable mode of operation when the system has been degraded in some manner)

• resource utilization, such as memory, disk, communications, etc.

### <Performance Requirement One>

[The requirement description goes here.]

## Maintainability

[This section indicates any requirements that will enhance the maintainability of the system being built, including coding standards, naming conventions, class libraries, maintenance access, maintenance utilities.]

### <Maintainability Requirement One>

[The requirement description goes here.]

## Design Constraints

[This section should indicate any design constraints on the system being built. Design constraints represent design decisions that have been mandated and must be adhered to. Examples include software languages, software process requirements, prescribed use of developmental tools, architectural and design constraints, purchased components, class libraries, etc.]

### <Design Constraint One>

[The requirement description goes here.]

## On-line User Documentation and Help System Requirements

[Describes the requirements, if any, for on-line user documentation, help systems, help about notices, etc.]

## Purchased Components

[This section describes any purchased components to be used with the system, any applicable licensing or usage restrictions, and any associated compatibility and interoperability or interface standards.]

## Interfaces

[This section defines the interfaces that must be supported by the application. It should contain adequate specificity, protocols, ports and logical addresses, etc. so that the software can be developed and verified against the interface requirements.]

### User Interfaces

[Describe the user interfaces that are to be implemented by the software.]

### Hardware Interfaces

[This section defines any hardware interfaces that are to be supported by the software, including logical structure, physical addresses, expected behaviour, etc. ]

### Software Interfaces

[This section describes software interfaces to other components of the software system. These may be purchased components, components reused from another application or components being developed for subsystems outside of the scope of this **SRS** but with which this software application must interact.]

### Communications Interfaces

[Describe any communications interfaces to other systems or devices such as local area networks, remote serial devices, etc.]

## Licensing Requirements

[Defines any licensing enforcement requirements or other usage restriction requirements that are to be exhibited by the software.]

## Legal, Copyright, and Other Notices

[This section describes any necessary legal disclaimers, warranties, copyright notices, patent notice, trademark, or logo compliance issues for the software.]

## Applicable Standards

[This section describes by reference any applicable standard and the specific sections of any such standards which apply to the system being described. For example, this could include legal, quality and regulatory standards, industry standards for usability, interoperability, internationalization, operating system compliance, safety, security, etc.]

# Supporting Information

[The supporting information makes the **SRS** easier to use. It includes:

• Table of contents

• Index

• Appendices

These may include use-case storyboards or user-interface prototypes. When appendices are included, the **SRS** should explicitly state whether or not the appendices are to be considered part of the requirements.]