Data-Tex

A. Introduction

*Name the domain, and give the motivation for performing the analysis. The motivation normally is that you are preparing to solve a particular problem by development or extension of a software system.*

B. Glossary

*Describe the meanings of all terms used in the domain that are either not part of everyday language or else have special meanings. You must master this terminology if you want to be able to communicate with your customers and users. The terminology will appear in the user interface of the software as well as in the documentation. You may be able to refer to an existing glossary in some other document, rather than writing a new glossary. The section is best placed at the start of the domain analysis document so you can subsequently can use the defined terms.*

C. General knowledge about the domain (Ryan)

*Summarize important facts or rules that are widely known by the domain experts and which would normally be learned as part of their education. Such knowledge includes scientific principles, business processes, analysis techniques, and how any technology works. This is an excellent place to use diagrams; however, where possible point the reader for details to any readily accessible books or other documents. This general knowledge will help you acquire an understanding of the data you may have to process and computations you may have to perform.*

D. Customers and users (Alex)

*Describe who will or might buy the software, and in what industrial sectors they operate. Also, describe the other people who work in the domain, even peripherally. Mention their background and attitude as well as how they fit into the organization chart, and relate to each other. These people may become users.*

Market Research firms

Designers, analysts

E. The environment (Maxwell)  
  
*Describe the equipment and systems used. The new system or extensions will have to work in the context of this environment.*

The environment:

* Software will be used to aid in gathering data for market research
  + Guided communication tool between participants (potentially customers) and business/marketing divisions of companies
* Will integrate into XYZ Market Research’s current business
  + Their clients will contract studies to be done to gain information about a specific market
  + Our tool will complement existing methods of understanding various markets
    - Provide custom features to aid with customer data gathering
* All surveys and data will be stored and processed electronically

Equipment/Systems:

* Survey participants will answer various types of questions using a computer
* Results will be submitted to a database
* Results will be processed by a data analyst using our data display system

F. Tasks and procedures currently performed (Landon)

*Make a list of what the various people do as they go about their work. It is important to understand both the procedures people are supposed to follow as well as the shortcuts they tend to take. For example, if people are supposed to enter certain information on a form, but rarely do, this suggests the information is not useful. Tasks listed in this section may be candidates for automation.*

Designers

Start a new survey

Is the survey **Specific** or **Generic**?

Specific: Start from a scratch

Generic: Start from a premade template

Name and categorize the survey so it can be found later

Add a question

Select question type

Type out question

Enumerate and populate answer choices

Repeat “Add a question until survey writing session is over”

Save survey

Is this survey reusable as it is, or with a few small edits?

Save survey as a new template

Edit an existing survey

Search by name and/or category for the survey to edit

Change name and/or category if necessary

Open survey

Edit Questions

Navigate to the question to be edited

Modify:

Select fields to modify

Make changes

Delete:

Change Type:

Type out question

Enumerate and populate answer choices

Add new Questions

See add questions above

Save survey

Is this survey reusable as it is, or with a few small edits?

Save survey as a new template

Analysts

Select survey by name and/or category

Select questions to see

Select stats/graphs to see

View statistics by question (or groups of questions)

Still not satisfied?

Export responses to a CSV or excel file

Open Excel, or some other statistical analysis software

Import csv or excel file

Do more things to the data

Reassess/refine what you are looking for

Repeat process

Participant

Get notification (or other distribution method) of survey

Open link, or login and locate survey in user portal

Read question

Select answer

Hit next

Realize you fucked up?

Hit back

Re-read question

Re-answer question

Hit next

Repeat until next is a submit button

Submit answers

G. Competing software (Mitchel)

*Describe what software is available to assist the users and customers, including software that is already in use, and software on the market. Discuss its advantages and disadvantages. This information suggests ideas for requirements, and highlights mistakes to avoid.*

Similar software available includes survey monkey and google forms. Survey monkey offers a wide range of survey templates and question types to the survey designer. All the features asked for SurveyMonkey has. However, some features, including conjoint trade-off questions are paid features. Question logic is also a paid feature. Google forms offers these features as well, but they aren’t as versatile as SurveyMonkey.

H. Similarities to other domains (Thomas)

Testing software?



*Understanding what is generic versus what is specific will help you to create software that might be more reusable or more widely marketable. Therefore, determine what distinguishes this domain and the customer’s organization from others, as well as what they have in common.*