*To use this template:*

*1.* *Replace any red italicized text with your own text. You may remove or add sections as*

*needed for your particular projects, but get permission from the Professor.*

*2.* *Enter the project name in the title and footer (and change the document version number,*

*if necessary).*

*3.* *If your document is very long, break each numbered chapter into its own document*

*section, beginning it on a new page. This will make it easier to replace/updagte*

*4.* *Delete these instructions and any other italicized instructions.*

**Date(s): *date here***

**Prepared by: *author here***

**1. Introduction**

This document contains the system requirements for***project name***. These requirements have

been derived from several sources, including***brief listing of most important sources***.

**1.1 Purpose of This Document**

This document is intended to guide development of***project name***. It will go through several

stages during the course of the project:

**1.2 Scope of the Product**

*Include a brief narrative here which describes the product as you intend it to be realized. Use this*

*section to define boundaries and set expectations.*

The product that we intend to create is a movie streaming service site that allows users to preview films on our database, create an account, and choose a tier in which to subscribe. The intent here is to create a service with the framework of Netflix, but utilizing a less clunky search bar, as well as improvements in other aspects. Our end goal is to create a streaming service using all the user approved features from competitors service, but in the most competitive and desirable way.

**1.3 Business Case for the Product**

*Why is this product required? How will it contribute to the goals of your institution? This section*

*can be used when requirements are being negotiated, to assess whether a particular change is a*

*good idea. This section also helps readers understand why certain requirements have been*

*included.*

The product is requested to move our client from and a brick and mortar approach to movie rental to a streaming service to provide customers with easier access and usability. By creating this application, it will grow our business to include strengths in building websites, servlets, and development of information by cliental.

**1.4 Overview of the Requirements Document**

*If your project is small to medium in size, include a summary of the requirements here. This may*

*be a numbered list of the most important requirements. The purpose of this section is to give the*

*reader a general understanding of the requirements and focus attention on the most critical ones.*

*This section may also help point readers to the specific requirements that are of particular interest*

*to them.*

- Search Bar: Filter must return all movies with the search in the title.

- Search by title and genre

- No preferred layout : run the layout verically

Target franchise: Everyone with access to the internet

Child section(Includes PG and G potentially. Allow parental controls of what ratings a title can be)

Subscription: 3 levels, each has different benefits and promotions

* Bronze: 3 movies rented out at a time, small promotional benefits, Price?
* Silver: 6 movies rented out at a time, larger value, Price?
* Gold:10 movies rented out, highest promotional value, Price?

Implementation: Support on all browsers, (safari, explorer, firefox),

* mobile version not needed

Have ratings attached to titles; Use MPAA ratings

* Ratings and genres used for recommendations of titles.

No adds/add space needed in design

Recommendations:

* Ratings
* Genres
* Prior downloaded content

Navigation: No more then two clicks from homepage to desired title

Promote new films on home page

Subscription:

* Won’t need a subscription to browse
* Needed to watch, no preview of film

Design prefernces

* Use green color scheme
* Netflix feel, less clunky search bar

Main account features

* 3 users per account
* Profiles managed by head account (Account attached to credit card)
* Primary language: English other languages?

Customer service aspects

* Charge up front, automatically deduct money from account after billing period passes
* Contact user who is subscribed that hasn’t used their account in awhile. Period of time for this?

**2. General Description**

*This section will give the reader an overview of the project, including why it was conceived, what*

*it will do when complete, and the types of people we expect will use it. We also list constraints*

*that were faced during development and assumptions we made about how we would proceed*.

*This section contains a****non-technical****description of the project, usually in narrative form, which*

*may serve to acquaint new readers with the purpose of the project. It also sets the stage for the*

*specific requirement listing which follows.*

The project Gilligan’s Coconut TV is new streaming service taking movie rentals to a whole new level introducing the market to a streaming service. With this product, we intend to move the movie rental business to a whole new market, showing the power of the internet. The convenience of online streaming will be the selling point of our product. Renting a movie at the store requires you to visit the store, and once you finish watching, you need to return the movie or risk fine. With the online streaming you can have what movie you seek with just a few clicks of the mouse. Also, when you finish you film, your just a few clicks away from returning the title. The time wasted doing this all but disappears with Gilligan’s Coconut TV. Any person young or old with whatever tastes can utilize this product so long as they have internet access.

Constraints faced in this developmental period were factors in completion. First the amount space available in the database holding our titles was hard to limit as we try to streamline speed of retrieval as well as holding the largest collection of titles as possible.

**2.1 Product Perspective**

*Why have you chosen to develop this product? What need does it serve? Who are the primary*

*stakeholders, who is developing the project, and who will benefit from the finished product?*

We chose to develop this product for our client as we believe fervently that what they intend to create has an audience and can be profitable. This product will serve the people who want to watch movies, but don’t want the inconvenience of getting the film and returning it at there own expense. The primary stakeholders in this case are those funding the project, as well as our development team. All users as well as stakeholders will benefit from the success of this enterprise.

**2.2 Product Functions**

*What does your product do? What activities can users perform while using it? List the main*

*functions that you will build into your product here.*

The products main purpose is to provide a streamlined outlet for viewing films. Users can watch many films; account administrators can limit the scope of certain profiles watching ability. Also finding a title should be really simplified as opposed to competitors as well as more user friendly and compatible. Also a ratings function will appear with each title so that each user can tell if a movie is highly recommended or not.

**2.3 User Characteristics**

*Who do you expect to use your finished product, and why? What is their technical background,*

*their training or education, their motivation to use it? What obstacles might they encounter, and*

*what specialized skills will they need?*

The final users of this product would be anyone able to use a computer/browse the web. Instead of putting in the disc to watch these movies, users of our site are going to need the ability to navigate the website. The level of interaction we hope to show is the lowest level of technology understanding.

**2.4 General Constraints**

*Did you work under any constraints such as platform or development environment? Did you have*

*to make your product compatible with any existing software or other products currently in use?*

Constraints are using java through eclipse, database through ?

**2.5 Assumptions and Dependencies**

*In this section, list any assumptions you made about your project (for example, did you assume*

*that the finished product would need to be delivered over the internet?). If your project depends*

*on any particular technical infrastructure, or requires administrators or others with specific skills,*

*note that here.*

The finished product needs to be delivered over the internet. We assume the user has a computer with internet accessibility. It is also assumed the user of our product could navigate a simple, commonly used website.

**3. Specific Requirements**

This section of the document lists specific requirements for***name of project***. Requirements are

divided into the following sections:

*1.* *Functional requirements. These are requirements written from the point of view of end*

*users, usually expressed in narrative form.*

*2.* *Non-Functional and System requirements. These are detailed specifications describing*

*the functions the system must be capable of doing.*

3. *System Models. These are requirements emphasize the interface requirements and*

*relationships among application domain objects and the dynamic nature of individual*

*objects (state diagrams) and the dynamic interaction of users with the system and*

*between.*

**3.1 Functional Requirements**

*List user requirements here.*

**3.2 Non-Functional and System Requirements**

*List detailed system requirements here. If your system is large, you may wish to break this into*

*several subsections.*

**3.3 System Models**

**3.3.1 Scenarios**

*Show several storyboards or specific kinds of uses of your system. Use this to develop your Use*

*Cases of how users interact with the system*

**3.3.2 Use Cases and Interface Requirements**

**3.3.2.1 Scenarios and Use Cases**

*Show all Use Cases and show interface requirements in this section. Where appropriate*

*include screen mockups. If you use mockups, be sure to relate to scenarios and/or Use*

*Cases and explain major features or functions with narrative to avoid confusion or*

*omission of desired features.*

**3.3.2.2 Summary of Screen Navigation and Screen Mock-ups.**

*Emphasize the relationship between the screens and show a hierarchy of screens where*

*appropriate.*

**3.3.3 Object Model**

*These objects are the application domain objects and are not part of the design or*

*implementation. The user/client should be able to recognize the objects presented here. You may*

*combine the Data Dictionary and Class Diagrams together if appropriate.*

**3.3.3.1 Data Dictionary**

***These are all the abstract data fields needed for your project. They may or may not map to the design and***

***implementation fields of your code.***

**3.3.3.2 Class/Object Diagrams**

***These refer to the application domain objects. Use Class and Object UML diagrams. Label all nodes and***

***show the relationships on the arcs. Show aggregation where appropriate and generalization where***

***appropriate****.*

**3.3.4 Dynamic Models**

***These refer to the application domain objects. Sequence and State Diagrams where appropriate.***

**4. Appendices**

*If you wish to append any documents, do so here. You may wish to include some or all of the*

*following:*

• *Personas and scenarios developed for this project*

• *Transcripts of user interviews, observations, or focus groups*

• *Copies of communications which contain user requirements*

• *Original project proposals or other historical documents*

• *Lists of similar projects or products, with notes about how they differ from yours*

• *A list of requirements which were "wish-listed" or marked unfeasible at present*

• *Original screen mockups, if they are relevant*

**5. Glossary**

*Include a glossary of definitions, acronyms, and abbreviations that might be unfamiliar to some*

*readers, especially technical terms that may not be understood by end-users or domain-specific*

*terms that might not be familiar to developers.*

**6. References**

*List references and source documents, if any, in this section.*

**7. Index**

*If your document is very large, consider compiling an index to help readers find specific items.*

*However, this is not necessary.*