

Software Requirement Specifications (1.0)
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Table of Contents

1. Introduction 4 1.1.Purpose 4 1.2.Scope 4 1.3.Acronyms and Abbreviations 5 1.4.References 5 1.5.Summary 5
2. Overview 6 2.1.Use-Case 6 2.1.1. Diagrams 6 2.1.2. Descriptions 7 2.2.Assumptions and Dependencies 8
3. Specific Requirements 9 3.1.Collaboration Diagrams 9 3.1.1. User 9
3.1.2. Guest 14 3.1.3. Registered User 17 3.1.4. Customer 20 3.1.5. Admin 24
3.2.ECS System State Diagram 28 3.3.ER Class Diagram 29 3.4.Supplementary Software Requirements 30
4. Supporting Information 31 4.1.Appendix A: User-Interface Prototypes 32

Software Requirements Specification

1. Introduction 1.1. Purpose

First Row Movies (FRW) promises to be the premiere community for purchasing and sharing movies over the web.

This Document will detail the features of First Row Movies, and will serve as a guide to developers and as a legal document for prospective clients.

1.2. Scope. 1.2.1.

1.2.2.

1.2.3.

1.2.4.

1.2.5.

1.2.6. 1.2.7.

User: This is the base class for all users of the system. All users of the System can search through all the movies, browse each movie, read comments and complain about inappropriate comments,

Guest User: The Guest User class inherits all the functionality of User. In addition, the Guest User has the capacity to register to become a user, to login as a user, and to retrieve a lost username.

Registered User: Registered User is an abstract base class that inherits all the functionality of User. In addition, the Registered user can watch a movie, reset a password, and logout from the system.

Customer User: Customer User inherits all the functionality of Registered User. In addition, the Customer User can rate movies, comment on movies, view a shopping cart, and checkout movies.

Admin User: Admin User inherits all the functionality of Registered User. In addition, the Admin User can erase comments, warn users, suspend users, and delete users.

Movie: Each movie is categorized according to its genre, director, actors, and date.

By keeping track of each user’s history of movie purchases and by comparing the user’s interests with other users with similar interests, First Row Movies will be able to recommend new purchases to customers.

1.3. AcronymsandAbbreviations

- 1.3.1. FRM: First Row Movies
- 1.3.2. U: User
- 1.3.3. GU: Guest User
- 1.3.4. RU: Registered User
- 1.3.5. CU: Customer User
- 1.3.6. AU: Admin User
- 1.3.7. SRS: Software Requirements Specification
- 1.3.8. GUI: Graphical User Interface.
- 1.3.9. FSM: Finite State Machine.
- 1.3.10. DB: Database.
- 1.3.11. ERCD: Entity-Relation Class Diagram.
- 1.4. References

Appendix A: User Interface Prototypes

1.5. Summary

The rest of this SRS is organized as follows:

1.5.1. 1.5.2.

Section 2: Gives the overall description of FRW. It contains the Use-Case diagram and descriptions for FRW.

Section 2 also contains the assumptions and dependencies of the system.

Section 3: Gives specific software requirements and functionalities in the form of Mini Use- Case diagrams along with accompanying Collaboration diagrams, Finite State Machine of the system, and ER Class diagram of the system. This section also contains supplementary software requirements of the systems.

Appendix: The appendix contains user interface prototypes for the system.

aoiioiaPROPOSAL: GUTTERSNIPE FAQ

1. What is the site/app?

Guttersnipe is a web portal and mobile app that caters to anarcho-communist street youth (and adults) who desire to subvert capitalism by sharing resources.

It will enable people to broadcast to each other locations of abandoned properties that can be squatted as well as dumpsters which can be dived for food and other resources.

Eventually, other types of resource sharing will be integrated into this product. A calender will be used to map and schedule Really Really Free Markets and Food Not Bombs meals.

Perhaps ridesharing will also be integrated

Perhaps maps of the train system and good times for hopping

Further development will require a close study of the writings of Kropotkin and Fourier.

2. What need does this meet? or problem does it solve?

This application serves the urgent need to overthrow capitalism by helping people to self-organize outside and beyond the market of commerce.

The ultimate intention is to facilitate the creation of alternate avenues of exchange, freely organized by free individuals.

3. Who is going to go/use to this site/app?

In the current incarnation, it is mostly aimed towards the freegans gutterpunks, who live off of dumpstered food, live in squatted housing, and travel by hopping trains.

As we get a better sense on the needs of the anticapitalist community and possibilities for alternative organizing, we will expand the possibilities for anti-market resource sharing.

4. Why will they go to this site/app?

To find food, clothing, shelter, etc.

5. Why will they keep coming back to your site/app?

See above.

6. How is it different from other similar sites?

There are similar sites of various types, but many of them have certain faults.

There is a site called rideshare.com; there is a site named couchsurfer.com; there is freecycle.com, which allows the sharing of goods.

These are all laudable efforts. Some of these are marred by an underlying desire for profit. But some of them are motivated out of genuine desire to promote Mutual Aid.

The very mission of Guttersnipe.net will be to promote the organization of the lumpenproletariat and to create alternative exchanges outside of capitalism. This mission will enable Guttersnipe.net to be singularly focused on this goal.

It will thus be able to bring together whatever resources necessary for the undermining of capitalism: the various services-- such as squatting, dumpster diving, hitchhiking, train hopping, resource sharing, etc -- will be coordinated on a singular web portal.

In addition, there are several web portals that are dedicated towards the promotion of anarcho-communist goals..

Such sites are

- Freegan.info
- Picture the Homeless
- Squat.net
- Foodsharing (Germany)

Many of our initial design specifications will be taken from the freegan group and Picture the Homeless.

In addition, we intend Guttersnipe to be cross platform, available both via the web and as a mobile app. To my knowledge, there are not yet any apps dedicated with such a task.

7. What steps will a person go through interacting with the site/app?

Most of the various interactions will be handled using forms.

The various services offered by Guttersnipe all boil essentially boil down to two types of transaction:

- information submission;
- information retrieval.

One person posts about an abandoned building or a good dumpster; another person searches for such information.

There may be very many different interfaces for the reporting and retrieval. Some of the data will be entered and retrieved using forms and text inputs; some will be accessed through map interfaces; some will be accessed through calendar interfaces.

In addition, there may be some need for identity management. Some users may choose to register accounts. Others may choose to always have singular, anonymous transactions.

Practical Constraints

Security

We will have to build in a security infrastructure in the project in order to guarantee anonymity of transactions.

Tor will be used to anonymize transactions.

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1.2.6. Movie: Each movie is categorized according to its genre, director, actors, and date.

1.2.7. By keeping track of each user’s history of movie purchases and by comparing the user’s interests with other users with similar interests, First Row Movies will be able to recommend new purchases to customers.

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Appendix: The appendix contains user interface prototypes for the system.

2. Overview

2.1.1 User Case Diagram

2.1.2 Use Case Descriptions

A)User (U)

1) Read Abstract: Any U may read the abstract (summary, id, title, stars, director, year, etc) of a movie.
2) Read Comments: Any U may read the comments made about a movie. 3) Complain: Any U may complain about a comment deemed to be inappropriate. Flagged comments will sent to AU for review.

4) Browse: Any U may browse a search result.

5) Search: Any U may search for movies using any combination of search vectors (id, title, starts, director, year, etc.) B) Guest User (GU)

1) Login: Any GU can login to the system, which transforms GU into a CU or AU .

2) Register: Any GU may register to become a CU.

3) Retrieve Username: Any CU who has forgotten her/his user name may request (as GU) that user information will be emailed to her/him. C) Registered User (RU)

1) Logout: Any RU (CU or AU) may log out of her or his account.

2) Watch Movie: Any RU (CU or AU) may watch movies online.

3) Reset Password: Any RU (CU or AU) may reset her or his password from the Account Settings page. D)Customer User (CU)

1) Rate: Any CU may give a rating to a movie (0.0 to 5.0, 0.5 increment.) Ratings will be evaluated according to user’s history with Item and added to ratings DB.

2) Comment: Any CU may comment upon a movie.

3) Checkout: Any CU may checkout selected items for purchase.

4) View Cart: Any CU may review the items selected for purchase and deselect any of them. E) Admin User (AU)

1) Suspend User: Any AU may suspend any CU.

2) Erase Comment: Any AU may erase comment flagged for deletion. 3) Warn: Any AU may send warnings to customer.

Delete User: Any AU may delete customer from system.

2.2 Assumptions and Dependencies

a. The client can run on any contemporary web browser that supports standard HTML, CSS 2.0, JavaScript, and PHP 5.0. It should run well on any contemporary web browser, including the latest versions of Internet Explorer, Firefox, Chrome, Safari, and Opera..

b. The server must run a PHP 5.0 processing daemon and a MySQL database. Any LAMP/WAMP setup should suffice, as will any other server (IIS, etc) with PHP and mySQL modules installed.

3. Specific Requirements

3.1 Collaboration Diagrams

3.1.1 Shared Collaboration Diagrams

Figure A1: Search

Figure A2: Browse

Figure A3: View Movie Info

3.1.2 Guest User Collaboration Diagrams

B1: Register

Figure B2: Login

3.1.3 Regular User Collaboration Diagrams

C1: Watch Movie

Figure C2: Rate

Figure C3: Comment

Figure C4: Complain

Figure C5: Add to Cart

Figure C6: View Cart

Figure C7: Checkout

Figure C8: Logout

3.1.4 Admin User Collaboration Diagrams

D1: Erase Comment

Figure D2: Ignore Complaint

Figure D3: Warn User

Figure D4: Logout

Guest User Class

(extends the User Class)

Attributes:

*** private \$userID;

*** private \$username;

*** private \$accountType; *** private \$userEmail;

Functions:

*** public function login(\$userID, \$userPassword)

// This allows a guest user to log in to the system and become a registered user or admin user

*** public function register()

// This allows a guest user to become a registered user

*** public function complainComment(\$commentID)

// This allows a guest user to send a complaint about a comment identified by commentID

RegisteredUser Class

(extends the User Class)

Attributes:

*** private \$userID;

*** private \$username; *** private \$userEmail;

Functions:

*** public function getID()

// This returns the id of the registered user

*** public function getUsername()

// This returns the username of the registered user

*** public function getEmail()

// This returns the email address of the registered user

*** public function complainComment(\$commentID)

// This allows a registered user to send a complaint about a comment identified by commentID

Create Resource

Find Resource

"the truth is only known by guttersnipes"
-- joe strummer

Create New Resource

Through your usage of Guttersnipe, you agree to not put yourself or any other person in legal jeopardy.

Negate

Consent

[How you must use Guttersnipe as your vehicle](#)

Create New Resource

Resource = Thing + Place + Time

Example: Free meal in Prospect Park every Wednesday from 4PM to 9PM

To report a Resource on Guttersnipe, please do the following:

1. Describe Resource
2. Map Place
3. Schedule Time
4. Confirm Resource Report

Create Resource

Create New Resource

Describe

Headline

Short explanation

You must provide a headline.

Summary

Resource Description

You must provide a summary.

Method of Accesss

How do I acquire resource?

Notes

Additional Notes

Confirm Description

Classify

Choose a resource type:

food

medical

housing

Classify

Type

food

Edit

Subtypes

Available Subtypes

Free Communal

Food Donation

Dumpster

Your Selections

Food Not Bombs

Details

Add a Detail

Is it a ...

+

Your Details

vegan

Confirm Classification

Map

Address of Resource :

Find Address

Notes

Confirm Map

Schedule

month week day

Sep 11 — 17 2016

today < >

	Sun 9/11	Mon 9/12	Tue 9/13	Wed 9/14	Thu 9/15	Fri 9/16	Sat 9/17
12pm							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							

Schedule:

None

Choose Schedule

✖

⌵

 Repeating Event

Event occurs every Monday

Start Time

⬆

02

⬆

⬆

:

⬆

⬆

00

⬆

PM

Duration

⬆

03

⬆

⬆

:

⬆

⬆

30

⬆

PM

Cancel

OK

Schedule

month week day

Sep 11 — 17 2016

today < >

	Sun 9/11	Mon 9/12	Tue 9/13	Wed 9/14	Thu 9/15	Fri 9/16	Sat 9/17
12pm							
1pm							
2pm		2:00 - 3:30 Event					
3pm							
4pm							
5pm							
6pm							

Schedule:

Date	Repeats	Start Time	End Time	Delete
	Every Monday	02:00 PM	03:30 PM	✕

Notes

GET THERE EARLY!!!

