Administration Manual
UMBC Market

Client
Abhay Kashyap

Team 4
Cory Ferrier
Sam Leung
Seth Jenkins
Wesley Chiou
Zachary Robinson

UMBC Market
Administrator Manual

Table of Contents

1. **Introduction**

   1.1 Purpose of This Document

   This document will serve to inform the administrator of the UMBC Market application how to properly install the UMBC Market application along with its dependencies and the various features and limitations of the application. Included are common issues that may occur and the appropriate solution to each issue.

   1.2 References

   - UMBC Market System Design Document

2. **System Overview**

   2.1 Background

   UMBC Market operates using Meteor and, by extension, uses MongoDB to store information. The administrator will need to maintain this database in addition to monitoring user created content on the application. Periodic backups must also be made in the case of a system failure. More information about the framework of Meteor can be accessed on the Meteor website and the SDD.

   2.2 Hardware and Software Requirements

Recommended Specifications:
Operating System: OSX, Windows, Linux
CPU: 2.4ghz duo-core
RAM: 8 GBs
Hard Disk Space: 512 GBs

3. **Administrative Procedures**

   The following procedures may be required of the UMBC Market administrator.

   3.1 Installation

Dependencies**:**
   Install Meteor from https://www.meteor.com/install

Install git from https://git-scm.com/

Installation Procedure:

- Clone the UMBCMarket repository from https://github.com/UMBC447/UMBCMarket via git
- Within the directory that UMBC Market was cloned to run "meteor" to initialize the application
- Before sending the application live, initialize the administrator account by creating an account with the name "marketadmin"

3.2 Routine Tasks

The administrator must log in using the username "marketadmin" and can access administration controls via the url:[UMBC Market url]/admin

The administrator can perform two tasks found at the admin url. The first task is checking reported listings. The administrator can choose to reset the report count or to delete offensive listings.
The administrator can also perform an automated database cleanup. This function will set any listings open listings with no activity within 30 days to closed and will remove any closed listings with no activity within 30 days.

3.3 Periodic Administration

Accounts which have been idle for several years should be removed to prevent bulk to the database.

The database should be backed up weekly or whenever there has been large changes to the content of the database. In the case of data corruption in the database or database failure, the database should be reverted to the most recent backup.

3.4 User Support

Any potential bugs and issues can be reported on the github issues page in which the development team can respond to:

https://github.com/UMBC447/UMBCMarket/issues

4. **Troubleshooting**

4.2 Dealing with Error Messages and Failures

Error: "The babel-runtime npm package could not be found in your node_modules"
This error can occur if the application was run without the aforementioned package
Solution: The babel-runtime package was probably not installed correctly and this error can be fixed by running "meteor npm install --save babel-runtime"
Error: "No response from the console after input 'meteor' command to initialize application"
Solution: The first execution of the "meteor" command can take between 30 minutes to 2 hours depending on processor and network speed. If the console remains unresponsive after 2 hours, halt the process, reinstall meteor and try again. All subsequent executions of the "meteor" command should take around 5 minutes.

4.3 Known Bugs and Limitations

Error messages from inputting forms persist once the form has been closed. This bug has not been corrected due to time constraints, it's fairly non-intrusive and ease of reversal.

Occasionally a letter may bypass the numerical check on the "starting offer" field and can be corrected by removing the letter manually. Consequences of this can be the unreadability of the starting offer which can easily be resolved with a message to the poster.

Appendix A – Team Review Sign-off

Each team member has reviewed this document and approves of its content and format. Any minor points of contention are addressed in the comments below.

<u>Team</u>
Name(print): _Cory Ferrier _____ Date: 12/8/16

Signature: _____

Comments:
_____
_____
_____

Name(print): _Zachary Robinson _____ Date: 12/8/16

Signature: _____

Comments:
_____
_____
_____

Name(print): _Seth Jenkins _____ Date: 12/8/16

Signature: _____

Comments:

_____
_____
_____

Name(print):_Wesley Chiou   _____ Date: 12/8/16

Signature: _____

Comments:

_____
_____
_____

Name(print):_Sam Leung   _____ Date: 12/8/16

Signature: _____

Comments:

_____
_____
_____

Appendix B – Document Contributions

Zachary Robinson made edits and reviewed the entire document before submission.

Cory Ferrier setup the document template and provided information as needed.

Seth Jenkins did the majority of Section 3

Wesley Chiou did the majority of Section 2

Sam Leung did the majority of Section 1