

Twilm

PROJECT

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Some ONE

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## Acknowledgments

## **Abstract**

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Purpose . . . . .	2
1.2	Motivation . . . . .	2
1.3	Context . . . . .	2
<b>2</b>	<b>Preliminary Study</b>	<b>4</b>
2.1	State Of The Art . . . . .	5
2.1.1	System Coldstart Handling . . . . .	5
2.1.2	Fashion Recommendation . . . . .	5
2.1.3	Session Based Recommendation . . . . .	5
2.1.4	Recommenders (Similar systems? somethingsomething) . . . . .	5
2.1.5	Items clustering . . . . .	5
2.2	Data Findings . . . . .	5
2.2.1	What Can Be Understood From The Data . . . . .	5
2.2.2	Graphs N' Shit . . . . .	6
2.3	What to use . . . . .	6
2.3.1	Some Awesome Algorithms (Build up with project progress) . . . . .	6
2.3.2	Why Not To Use These (Same As above) . . . . .	6
2.4	How to evaluate . . . . .	6
2.4.1	What Has Been Done Before . . . . .	6
2.4.2	What To Use . . . . .	6
2.5	Evaluation . . . . .	6
<b>3</b>	<b>Requirements</b>	<b>7</b>
3.1	Capturing the Requirements . . . . .	8
3.2	Functional Requirements . . . . .	8
3.3	Non Functional Requirements . . . . .	8

3.4	Prioritized Requirements . . . . .	8
<b>4</b>	<b>Design</b>	<b>9</b>
4.1	Architecture . . . . .	10
4.1.1	Logical View . . . . .	10
4.1.2	Process View . . . . .	10
4.1.3	Physical View . . . . .	10
4.2	Algorithm Design . . . . .	10
4.2.1	Prediction . . . . .	10
<b>5</b>	<b>Implementation</b>	<b>11</b>
5.1	Major Requirements . . . . .	12
5.1.1	FR1 . . . . .	12
5.1.2	FR6 . . . . .	12
5.1.3	FR7 . . . . .	12
5.1.4	NFR1 . . . . .	12
<b>6</b>	<b>Evaluation</b>	<b>13</b>
6.1	Development Process . . . . .	14
6.2	Result Evaluation . . . . .	14
6.3	Issues . . . . .	14
<b>7</b>	<b>Conclusion</b>	<b>15</b>
7.1	Final Product . . . . .	16
7.2	Related Work . . . . .	16
7.3	Future Work . . . . .	16
<b>A</b>	<b>Requirements</b>	<b>I</b>
A.1	Functional Requirements . . . . .	I
A.2	Non Functional Requirements . . . . .	I
<b>B</b>	<b>Design</b>	<b>II</b>
<b>C</b>	<b>Implementation</b>	<b>III</b>
C.1	Implemented Functional Requirements . . . . .	III
C.2	Implemented Non Functional Requirements . . . . .	III
	<b>References</b>	<b>IV</b>

# List of Figures

# List of Tables

1.1	Structure and chapters of the report. . . . .	3
-----	---	---

# Chapter 1

## Introduction

### Contents

1.1	Purpose . . . . .	2
1.2	Motivation . . . . .	2
1.3	Context . . . . .	2



## 1.1 Purpose

## 1.2 Motivation

## 1.3 Context

Chapter	Description
Chapter 1	The Introduction chapter gives an overview of the project to the reader. It also outlines the purpose and motivation of the project.
Chapter 2	The Preliminary Study chapter documents knowledge, research and technology that is relevant to the project, and how and why some of them were prioritized over others when it comes to how they are used in the project.
Chapter 3	The Requirements chapter describes the requirements of the project. It also describes how and why they were created.
Chapter 4	The Design chapter describes the design of the system and how it was made.
Chapter 5	The Implementation chapter describes the implementation of the system.
Chapter 6	Evaluation chapter discussed the development process, testing of results and major issues.
Chapter 7	The Conclusion chapter sums up the project and describes the findings and reflects on them. It also describes further work to be done.
Appendix	The appendix contains extended information such as a full list of the requirements.

Table 1.1: Structure and chapters of the report.

## Chapter 2

# Preliminary Study

### Contents

---

<b>2.1 State Of The Art</b>	<b>5</b>
2.1.1 System Coldstart Handling	5
2.1.2 Fashion Recommendation	5
2.1.3 Session Based Recommendation	5
2.1.4 Recommenders (Similar systems? somethingsomething)	5
2.1.5 Items clustering	5
<b>2.2 Data Findings</b>	<b>5</b>
2.2.1 What Can Be Understood From The Data	5
2.2.2 Graphs N' Shit	6
<b>2.3 What to use</b>	<b>6</b>
2.3.1 Some Awesome Algorithms (Build up with project progress)	6
2.3.2 Why Not To Use These (Same As above)	6
<b>2.4 How to evaluate</b>	<b>6</b>
2.4.1 What Has Been Done Before	6
2.4.2 What To Use	6
<b>2.5 Evaluation</b>	<b>6</b>

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## 2.1 State Of The Art

### 2.1.1 System Coldstart Handling

### 2.1.2 Fashion Recommendation

### 2.1.3 Session Based Recommendation

F:

Articles 4 l8er:

### 2.1.4 Recommenders (Similar systems? somethingsomething)

### 2.1.5 Items clustering

## 2.2 Data Findings

### 2.2.1 What Can Be Understood From The Data

#### The Expected

Event "app\_started", all have user\_id's Event "app\_first\_started", all user\_id's are NULL Event "user\_logged\_in", all have user\_id's... (assigned with login, event saved after login?)

#### The Strange

NULL valued events: (Not all strange, but put together for readability) facebook\_share\_changed collection\_viewed wantlist\_menu\_entry\_clicked app\_became\_active

app\_first\_started facebook\_login\_failed

> db.prod.distinct('event\_json.ipAddress').length 9033 > db.prod.distinct('event\_json.eventData.device\_id').length 2644 > db.prod.distinct('user\_id').length 1660

More devices than users, can't fill the blanks with device\_id

Q's: app\_became\_active id's for better sessions? store\_clicked vs. storefront\_clicked (23 vs. 19744)  
API item-id's mapping to event product\_id's; how to map?

### 2.2.2 Graphs N' Shit

## 2.3 What to use

### 2.3.1 Some Awesome Algorithms (Build up with project progress)

The Good

The Bad

### 2.3.2 Why Not To Use These (Same As above)

The Good

The Bad

## 2.4 How to evaluate

### 2.4.1 What Has Been Done Before

### 2.4.2 What To Use

The Good

The Bad

## 2.5 Evaluation

Thoughts:

## Chapter 3

# Requirements

### Contents

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<b>3.1</b>	<b>Capturing the Requirements . . . . .</b>	<b>8</b>
<b>3.2</b>	<b>Functional Requirements . . . . .</b>	<b>8</b>
<b>3.3</b>	<b>Non Functional Requirements . . . . .</b>	<b>8</b>
<b>3.4</b>	<b>Prioritized Requirements . . . . .</b>	<b>8</b>

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### 3.1 Capturing the Requirements

### 3.2 Functional Requirements

FR1

FR6

FR7

FR1

FR6

FR7

### 3.3 Non Functional Requirements

NFR1

NFR1

### 3.4 Prioritized Requirements

# Chapter 4

## Design

### Contents

---

<b>4.1</b>	<b>Architecture</b>	<b>10</b>
4.1.1	Logical View	10
4.1.2	Process View	10
4.1.3	Physical View	10
<b>4.2</b>	<b>Algorithm Design</b>	<b>10</b>
4.2.1	Prediction	10

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## 4.1 Architecture

### 4.1.1 Logical View

### 4.1.2 Process View

### 4.1.3 Physical View

## 4.2 Algorithm Design

### 4.2.1 Prediction

## Chapter 5

# Implementation

### Contents

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<b>5.1</b>	<b>Major Requirements</b>	<b>12</b>
5.1.1	FR1	12
5.1.2	FR6	12
5.1.3	FR7	12
5.1.4	NFR1	12

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## 5.1 Major Requirements

5.1.1 FR1

5.1.2 FR6

5.1.3 FR7

5.1.4 NFR1

## Chapter 6

# Evaluation

### Contents

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<b>6.1</b>	<b>Development Process . . . . .</b>	<b>14</b>
<b>6.2</b>	<b>Result Evaluation . . . . .</b>	<b>14</b>
<b>6.3</b>	<b>Issues . . . . .</b>	<b>14</b>

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## 6.1 Development Process

Good

Bad

## 6.2 Result Evaluation

Testing of preliminary study

Testing of code functionality

Types of testing not used

## 6.3 Issues

## Chapter 7

# Conclusion

### Contents

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<b>7.1</b>	<b>Final Product . . . . .</b>	<b>16</b>
<b>7.2</b>	<b>Related Work . . . . .</b>	<b>16</b>
<b>7.3</b>	<b>Future Work . . . . .</b>	<b>16</b>

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## **7.1 Final Product**

## **7.2 Related Work**

## **7.3 Future Work**

## Appendix A

# Requirements

### A.1 Functional Requirements

### A.2 Non Functional Requirements



## Appendix B

# Design

# Appendix C

## Implementation

### C.1 Implemented Functional Requirements

FR 1: Blablaba

FR 2: Blablaba

### C.2 Implemented Non Functional Requirements

NFR 1: Blablaba

NFR 2: Blablaba

# Bibliography