

UNIVERSITA' DEGLI STUDI DI MESSINA
DIPARTIMENTO DI MATEMATICA E INFORMATICA

DATABASE COURSE PROJECT

veeForum

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Part I

Non-technical

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Chapter 1

Client request

The client requests the design and implementation of a **forum creation/management framework** and a **modern responsive web forum browsing/management application**.

The client intends using the requested forum framework **to build communication platforms** for various projects, both for internal employee usage and interaction with the public.

It is imperative for the system to allow administrators to easily well-organized create **content-section hierarchies** and **user-group hierarchies**.

Administrators also need to be able to **give groups specific permissions for every section**.

Some sections will only be visible and editable to employee groups (e.g. internal discussion), some sections will be visible but not editable by the public (e.g. announcements), and others will need to be completely open to the public (e.g. technical support).

Being able to **keep track of user-created content** is also very important for the client.

Initially, tracking the date and the author of the content will be enough, but the system has to be designed in such a way that inserting additional creation information (e.g. browser/operating system used to post) will be trivial.

In the future, additional content types (e.g. videos, attachments) may be added to the system and their creation will have to be tracked as well.

This data needs to be independent from the contents, in order to easily allow administrators and project managers to gather statistical data on forum usage.

The web application has to be extremely simple but flexible as well. Administrators need be able to perform all functions described above through a responsive admin panel.

Content consumers and creators should be able to view and create content from the same responsive interface.

Moderators and administrators should be able to edit and delete posts through the same interface as well. User interface controls will be shown/hidden depending on the users

permissions.

Chapter 2

Requirement analysis

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Chapter 3

Glossary

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Chapter 4

Usage

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Part II

Technical

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Chapter 5

Development

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1. Environment

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2. Docker

aaa

3. Version control

aaa

4. Thesis

aaa

4.1 L^AT_EX

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4.2 LatexPP

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Chapter 6

Project structure

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1. Folder structure

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2. PHP Module

aaa

3. SQL Module

aaa

4. Other data

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Chapter 7

Installation

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Chapter 8

Conceptual model

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Chapter 9

Logical model

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Chapter 10

Table details

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Chapter 11

Web interface

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Chapter 12

Sample queries

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Part III

Conclusion

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Chapter 13

Final product

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Chapter 14

What I learned

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Chapter 15

Future

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Chapter 16

References

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