**Voting System**

**Group member: Zhang Gaorui**

**Xia Jing**

**Li Xiaodong**

**Liu Lingyuan**

**Date: 28/03/2019**

**Planning**

**Background of the project**

This project (voting system) is developed by four people.

The system project is mainly formed by four parts:

1. Login interface

2. Register interface

3. Staff management interface

4. Topic interface

**Language**

C# XML HTML

**Development tools**

Visual Studio 2017

Microsoft SQL Server Management Studio 2017

**Purpose**

Complete a C# - based voting system

**Task Assignment**

**Planning**

2.28-2.29

Zhang Gaorui: Do a system design and make the planning

Liu Lingyuan : Do the evaluation plan.

**Programing**

3.1-3.6

Zhang Gaorui: Program programming and function implementation and first comments

Xia Jing: Add features

3.7-3.9

Zhang Gaorui: finish the interface design

Xia Jing: Add features and edit the second comments

**Testing**

3.9-3.14

Li Xiaodong: Unit Testing, Database testing, UI testing, add comments

Liu Lingyuan: black box Testing

**System maintenance**

3.14

Li Xiaodong: Maintain hardware devices Database maintaining

Liu Lingyuan: Maintain software devices Database maintaining

3.14

Liu Lingyuan and Li Xiaodong: Edit the final comments

**Evaluation**

2.15

Liu Lingyuan:Write evaluation plan.

3.14

Li xiaodong: Write Consent Form.

Liu Lingyuan: Write Consent Form, Write UI Evaluation ,

3.20

Liu Lingyuan: Carry out Consent form Evaluation,Write Observer form,carry out Observer form,carry out UI evaluation.

**Conclusion**

3.18-3.19

Xia Jing: Write the critical reflection report

Liu Lingyuan:Check the code and modify some grammar and spelling mistakes.

3.22

Liu Lingyuan:improve the consent form and UI evaluation.

**Submitting**

3.28

Zhang Gaorui: Submit the report

**Meeting**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Time** | **Duration** | **Place** | **participants** |
| 1 | 2.28 | 10:00 am - 1:30 pm | Cantor Building 9310 | Zhang Gaorui  Xia Jing  Liu Lingyuan  Li Xiaodong |
| 2 | 3.9 | 2:00 pm - 5:15 pm | Library | Zhang Gaorui  Xia Jing  Liu Lingyuan  Li Xiaodong |
| 3 | 3.12 | 1:00 pm – 6:40 pm | Own Building | Zhang Gaorui  Xia Jing |
|  | 3.12 | 1:00pm – 5:30pm | Cantor Building | Li Xiaodong  Liu Lingyuan |
|  | 3.13 | 9:30am – 6:00pm | Cantor Building | Li Xiaodong  Liu Lingyuan |
| 4 | 3.17 | 11:00 am – 4:40 pm | Library | Zhang Gaorui  Xia Jing  Liu Lingyuan  Li Xiaodong |

**Assessment Schedule**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Task | Name | Date |  |
| **Planning** | | | | |
| 1 | System design | Zhang Gaorui  Xia Jing | 2019/2/28 |  |
| 2 | Program design | Li Xiaoding | 2019/2/28 |  |
| 3 | Planning report | Zhang Gaorui | 2019/2/29 |  |
| 4 | Meeting management | Xia Jing | 2019/2/29 |  |
| 5 | Evaluation plan | Liu Lingyuan | 2019.2.29 |  |
| **Programming** | | | | |
| 5 | User login | Zhang Gaorui | 2019/3/1 |  |
| 6 | User register | Zhang Gaorui | 2019/3/1 |  |
| 7 | User information Edit | Zhang Gaorui | 2019/3/1 |  |
| 8 | Staff login | Zhang Gaorui | 2019/3/2 |  |
| 9 | Staff register | Zhang Gaorui | 2019/3/2 |  |
| 10 | Edit staff information | Zhang Gaorui | 2019/3/2 |  |
| 11 | Reset function | Zhang Gaorui | 2019/3/3 |  |
| 12 | Add topic | Zhang Gaorui | 2019/3/3 |  |
| 13 | Edit topic information | Zhang Gaorui | 2019/3/3 |  |
| 14 | Voting limited | Zhang Gaorui | 2019/3/4 |  |
| 15 | Voting countdown | Zhang Gaorui | 2019/3/4 |  |
| 16 | Manage candidate information | Zhang Gaorui | 2019/3/4 |  |
| 17 | Edit countdown start | Xia Jing | 2019/3/4 |  |
| 18 | Edit countdown stop | Xia Jing | 2019/3/5 |  |
| 19 | Edit voting Stopped | Xia Jing | 2019/3/5 |  |
| 20 | Add created time | Xia Jing | 2019/3/5 |  |
| 21 | Adjust the countdown speed | Xia Jing | 2019/3/5 |  |
| 22 | Delete user | Zhang Gaorui | 2019/3/5 |  |
| 23 | Delete staff | Zhang Gaorui | 2019/3/6 |  |
| 24 | Delete topic | Zhang Gaorui | 2019/3/6 |  |
| 25 | Comptroller login | Zhang Gaorui | 2019/3/6 |  |
| 26 | Audit function Adding | Zhang Gaorui | 2019/3/7 |  |
| 27 | Histogram Adding | Zhang Gaorui | 2019/3/7 |  |
| 28 | Database management | Xia Jing and Zhang Gaorui | 2019/3/7 |  |
| 29 | Comments Adding | Zhang Gaorui  Xia Jing  Li Xiaodong  Liu Lingyuan | 2019/3/8 |  |
| 30 | Interface font size design | Zhang Gaorui | 2019/3/8 |  |
| 31 | Planning updating | Zhang Gaorui | 2019/3/8 |  |
| 32 | Planning Updating | Xia Jing | 2019/3/9 |  |
| 33 | Comments grammar proofreading | Li Xiaodong  Liu Lingyuan | 2019/3/9 |  |
| 34 | Showbox grammar proofreading | Li Xiaodong  Liu Lingyuan | 2019/3/9 |  |
| 35 | Planning updating | Li Xiaodong | 2019/3/9 |  |
| 36 | Planning updating | Liu Lingyuan | 2019/3/9 |  |
| **Testing** | | | | |
| 1 | Preparing test tools | Li Xiaodong | 2019/3/9 |  |
| 2 | UI testing (Login) | Li Xiaodong | 2019/3/9 |  |
| 3 | UI testing (Font) | Li Xiaodong | 2019/3/10 |  |
| 4 | Database testing | Li Xiaodong | 2019/3/10 |  |
| 5 | Database testing | Li Xiaodong | 2019/3/10 |  |
| 6 | Unit testing (Font) | Li Xiaodong | 2019/3/11 |  |
| 7 | Unit testing (Font ver2) | Li Xiaodong | 2019/3/11 |  |
| 8 | Unit testing (Login) | Li Xiaodong | 2019/3/12 |  |
| 9 | Unit testing (Countdown) | Li Xiaodong | 2019/3/12 |  |
| 10 | Black box testing | Liu Lingyuan | 2019/3/13 |  |
| 11 | Problem summary feedback | Liu Lingyuan  Li Xiaodong | 2019/3/14 |  |
| 12 | Black box testing | Liu Lingyuan | 2019/3/20 |  |
| **System maintenance** | | | | |
| 1 | Database maintaining | Liu Lingyuan  Li Xiaodong  Zhang Gaorui  Xia Jing | 2019/3/14 |  |
| 2 | Hardware devices maintaining | Li Xiaodong | 2019/3/14 |  |
| 3 | Software devices maintaining | Liu Lingyuan | 2019/3/14 |  |
| **Evaluating** | | | | |
| 1 | Write evaluation plan | Liu Lingyuan  Li xiaodong | 2019/2/15 |  |
| 2 | Write C# web (Registration,login and CRUD) | Liu Lingyuan  And Li Xiaodong | 2019/2/18 |  |
| 3 | Write Consent Form and evaluation | Liu Lingyuan | 2019/2/25 |  |
| 6 | Write UI Evaluation report | Liu Lingyuan | 2019/3/5 |  |
| 7 | Add SUS form and process | Liu Lingyuan | 2019/3/11 |  |
| 8 | Write the Observer form | Liu Lingyuan | 2019/3/15 |  |
| 9 | Print consent form and UI Evaluation and do the test. | Liu Lingyuan | 2019/3/20 |  |
| 10 | Write and conclude the testing result | Liu Lingyuan | 2019/3/21 |  |
| 11 | Add improvement of system | Liu Lingyuan | 2019/3/22 |  |
| 12 | Black box testing | Liu Lingyuan | 2019/3/22 |  |
| **Conclusion** | | | | |
| 1 | Critical reflection report writing | Xia Jing | 2019/3/18 |  |
| 2 | Software structure changing analyzing | Xia Jing | 2019/3/18 |  |
| 3 | Changes to User Interactions writing | Xia Jing | 2019/3/19 |  |
| 4 | Reflections on software project managementanalyzing | Xia Jing | 2019/3/19 |  |
| **Submitting** | | | | |
| 1 | Report and program submitting | Zhang Gaorui | 2019/3/28 |  |