Project Description:

The goal of this project is to create an adaptive (mobile friendly) website to help IT students and unemployed people to get useful skills. The home page should draw visitors’ attention so that they would like to register as fixed users. And users can choose the courses they want to take according to some success stories. We use the .NET Framework and the Visual Studio development environment to develop the website.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
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Delivered Software Increment

Our team have finished 6 user stories in the product backlog in the past Sprint. The prototype is a website include Login function, Admin function, homepages, Success story list pages and detail pages.

This website use a 3 tier architecture. The presentation layer, business logic layer and database layer, can be easily developed and maintained separately by using Model-View-Controller (MVC 5) design patterns. Communication and data exchange between the 3 layers can be easily achieved with MVC 5.

Currently completed pages and functions in the prototype can be tracked through two flows – Admin flow and Visitor flow:

From the Admin Flow: Homepages 🡪 Login page (Admin) 🡪 Success Story List Admin Pages 🡪 Success Story Detail Admin pages 🡪 Success Story Detail Admin Pages (Add/Edit/Delete) 🡪 Success Story List Admin Pages

Form the Visitor Flow:

1. Homepages 🡪 Success Story List Pages 🡪 Success Story Detail Pages
2. Homepages 🡪 Team Profile Pages 🡪 FAQs Pages

Completed Product Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Completed User Stories** |  | **Relative tasks** |
| 1. | As CEO,  I would like to re-design our website (first page) to make it mobile friendly. | So that we can meet ranking requirement, because Google adopted mobile-friendliness as a ranking signal. | (Home Pages) |
| 2. | As a VISITOR (anonymous user),  I would like to read some success stories of previous students and select the same courses. | So that I can follow the same approach and select suitable courses accordingly. | (Success stories List Pages) |
| 3. | As a VISITOR (anonymous user),  I would like to read the detail of some success story. | So that I can order the same courses. | (Success stories detail pages) |
| 4. | As CEO,  I would like our team profile and FAQ to be well noticed. | So that we can provide more detail information about our company. | (Team Profile & FAQs Page) |
| 5. | As an ADMIN (course advisor), I would like to maintain success stories with Add, Update, and Delete. | So I can update and maintain the story pages. | (Admin functions of success story pages included add, edit, delete pages) |
| 6. | As a USER, I would like to login to my category (Admin or Students) in the system. | So I can maintain or maintain the website. | (Login Pages) |

Sprint Backlog

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Story  ID | User Story | Task  ID | Task | Owner &  Participant | UPI | Hours |
| 1 | Home Page | 31 | Home Draft | ClayY |  | 8.0 |
|  |  | 32 | Home Page Update (after review) | ClayY |  | 2.0 |
|  |  | 32 | Home Page Update (after review) | Irene |  | 6.0 |
|  |  | 33 | Test Case (HP) | Irene |  | 1.0 |
|  |  | 34 | Unit Test (HP) | Irene |  | 1.0 |
| 2 | Success Story List | 41 | Story List (staic) | LikaiH |  | 10.0 |
|  |  | 42 | Story List (dynamic) | ClayY |  | 8.0 |
|  |  | 43 | Test Case (Story List) | Lulu |  | 4.0 |
|  |  | 44 | Unit Test (Story List) | Irene |  | 1.0 |
| 3 | Success Story Detail | 45 | Detail Success Story Page | ClayY |  | 4.0 |
|  |  | 46 | Test Case (Story Detail) | Miranda |  | 3.0 |
|  |  | 47 | Unit Test (Story Detail) | Miranda |  | 2.0 |
| 4 | Team Profile & FAQ | 48 | Team profile page | ClayY |  | 2.0 |
|  |  | 49 | FAQ page | LikaiH |  | 2.0 |
| 5 | Admin of Success Story | 51 | Admin (List page) | Kaii |  | 9.0 |
|  |  | 52 | Admin (Edit page) | Kaii |  | 8.0 |
|  |  | 53 | Admin (Add page) | V |  | 7.0 |
|  |  | 53 | Admin (Add page) | Kaii |  | 1.0 |
|  |  | 54 | Test Case & NUnit (Add) | Miranda |  | 4.0 |
|  |  | 55 | Test Case & NUnit (Edit) | Miranda |  | 4.0 |
|  |  | 56 | Test Case & NUnit (List) | Lulu |  | 4.0 |
|  |  | 57 | Unit Test (Story Detail) | Lulu |  | 3.0 |
|  |  | 58 | Admin (Delete page) | Kaii |  | 3.0 |
| 6 | Login Page | 61 | Login Page | Miranda |  | 6.0 |
|  |  | 62 | Test Case & Nunit (Login) | Irene |  | 4.0 |
|  |  | 63 | Unit Test (Login) | Irene |  | 1.0 |
| x1 | Developing Enviroment | 11 | Collect DB Design and PHP programs | V |  | 2.0 |
|  |  | 12 | Create New DB | V |  | 2.0 |
|  |  | 12 | Create New DB | Miranda |  | 1.0 |
|  |  | 13 | Prepare dummy Data | V |  | 1.0 |
|  |  | 13 | Prepare dummy Data | Miranda |  | 3.0 |
|  |  | 21 | Create .Net solution | Shawn |  | 4.0 |
|  |  | 22 | Create header & Footer template | Shawn |  | 6.0 |
|  |  | 23 | Create base page | Shawn |  | 15.0 |
| x2 | Scrum Activities | 01 | Client Meeting(25/08/2015) | ALL members |  | 4.0 |
|  |  | 02 | Scrum board init | Kaii |  | 1.0 |
|  |  | 03 | Draft tasks list | Kaii |  | 1.0 |
|  |  | 91 | Daily Scrum (28/08/2015) | ALL members |  | 1.0 |
|  |  | 92 | Daily Scrum (02/09/2015) | ALL members |  | 1.0 |
|  |  | 93 | Daily Scrum (05/09/2015) | ALL members |  | 1.0 |
|  |  | 94 | Daily Scrum (08/09/2015) | ALL members |  | 1.0 |
|  |  | 95 | Daily Scrum (11/09/2015) | ALL members |  | 1.0 |
|  |  | 96 | Retrospective Meeting | ALL members |  | 4.0 |
|  |  | 97 | Client review Meeting(14/09/2015) | ALL members |  | 6.0 |
|  |  | 98 | Client review Meeting(14/09/2015) | ALL members |  | 2.0 |

Retrospective

Group Evaluation:

In general, our group did a good job for the first sprint. We defined a reasonable sprint backlog and followed SCRUM process strictly. Everyone got one task at first and after finished it he/she could get another task. We held stand-up meetings regularly so that we could know each other’s progress and obstacles. If anyone had a problem, others would help him/her. Some of us did not have programming experience before, so their progress might be slow. But everyone tried to finish the tasks as soon as possible and make the project perfect. Besides, every scrum master communicated with our customer as much as possible to ensure that the project could meet the demands.