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.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *No.* | *GitHub username* | *SeeNowDo* | *Official name* | *UPI* |
| *1* | gaoyiqun | Irene | Yiqun Gao | YGAO742 |
| *2* | huajinxie | Kaii | Huajin Xie | HXIE519 |
| *3* | likaihe | Likai | Likai He | LHE838 |
| *4* | lulujing | LuLu | Jing Lu | JLU986 |
| *5* | vasanthnewzealand | V | Vasanth Boraiyan | VBOR051 |
| *6* | yazang | Clay | Chen Yang | CYAN988 |
| *7* | yinqi522 | Miranda | Yu Guo | YGUO425 |
| *8* | YsqEvilmax | Shawn | Shaoqing Yu | SYU702 |

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 page and detail page. 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.

Completed Product Backlog

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Completed User Stories** |  | **Relative tasks** |
| 1. | As CEO, I would like our website to be mobile-friendly. | So my website can meet Google’s rank requirements. | (Mobile-Friendly) |
| 2. | As a VISITOR, I would like to read some success stories of previous students and select the same courses. | So I can select suitable courses accordingly. | (Success stories Page & Detail Page) |
| 3. | As a CLIENT COMPANY, I would like to find some success stories about automation tool implemented companies. | So I can get to know more about the tools. | (Home Page) |
| 4. | As an ADMIN (course advisor), I would like to ask user to select a category before listing success stories of our students for visitors/client company. | So I can filter out suitable success stories for them. | (Home 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 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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | 1 | DB | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | |
|  |  | 1.1. | |  | | | | | | Create New DB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | V | | | | | | | | | | | | | | | |  | | | |
|  |  | 1.2. | | | | | | Prepare dummy data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | Miranda | | | | | | | | | | | | | | | | | | | |
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|  | 2 | .Net Solution & Demo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | Shawn | | | | | | | | | | | | | | | |  | | | |
|  |  | 2.1. | |  | | | | | | Solution Create (with DB connect, team) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | | | | |  | | | |
|  |  | 2.2. | |  | | | | | | Create Master page | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | |
|  |  | 2.3. | |  | | | | | | Create Demo page (css, js, aspx...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
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|  | 3 | HomePage | | | | | | | | | | | | | | |  | | | |  | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | |
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|  |  | 3.1. | | |  | | | | | | Draft version (main page + team profile + Faq) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | 12 | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | Clay | | | | | | | | | | | | | | | | | |
|  |  | 3.2. | | | | | | | Updated version | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | |
|  |  | 3.3. | | | | | | | Test case (Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | |
|  |  | 3.4. | | | | | | | Unit Test | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 18 | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | Lulu | | | | | | | | | | | | | | | | |
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|  | 4 | Success stories list (Individual version) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | | | |
|  |  | 4.1. | | | | |  | | | | | | Statics page design (layout, mobile-friendly) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | Likai | | | | | | | | | | | | | | | | |
|  |  | 4.2. | | | | | | | | | | Dynamic page (aspx, using DB data) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | |  | | | | | | | | | | |  | | | | | |
|  |  | 4.3. | | | | | | | | | | Test case (Nunit & Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | Lulu | | | | | | | | | | | | | | | | | | | |
|  |  | 4.4. | | | | | | | | | | Unit Test | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 24 | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | | |
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|  | 5 | Admin Pages(List, Add, Edit) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  |  | 5.1. | | | | Add page | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | 10 | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | V | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  |  | 5.2. | | | | Edit page | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | Kaii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 5.3. | | | | List page | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | Kaii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 5.4. | | | | Test case (Nunit & Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  |  | 5.5. | | | | Test case (Nunit & Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  |  | 5.6. | | | | Test case (Nunit & Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
|  |  | 5.7. | | | | Unit Test | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
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|  | 6 | Login page(.Net) | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | Miranda | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 6.1. | | | | Login Page | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | | Irene | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 6.2. | | | | Test case (Nunit & Case) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | 1 | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | 11 | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
|  |  | 6.3. | | | | Unit Test | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | | | |  | | | |  | | | |  | | | |  | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | |  | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
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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.