| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novemb Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **Campus Walk** | **150 days** | **Mon 8/22/16** | **Wed 1/18/17** | | | | | | | | |
| 1.1 | **Gather Content** | **20 days** | **Mon 8/22/16** | **Sat 9/10/16** | | | | | | | | |
| 1.1.1 | **Develop Focus Groups** | **10 days** | **Mon 8/22/16** | **Wed 8/31/16** | | | | | | | | |
| 1.1.1.1 | **Develop questions** | **3 days** | **Mon 8/22/16** | **Wed 8/24/16** | | | | | | | | |
| 1.1.1.1.1 | Write questions appropriate for each group | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.1.3 | Write back up questions | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.1.2 | Determine flow of each event | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.1.1.4 | Secure & record basic demographic data of each group | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.1.5 | Write introduction and instructions for participants and focus group leader | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.1.2 | **Determine Groupings & Participants** | **1 day** | **Tue 8/23/16** | **Tue 8/23/16** | | | | | | | | |
| 1.1.1.2.1 | Select International Student Groups | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.2.2 | Select faculty | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.2.3 | Select Admissions Staff | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.2.4 | Select potential/future students | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.2.5 | Select current graduate students | 1 day | Tue 8/23/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.1.3 | **Complete logistics for each group** | **3 days** | **Wed 8/24/16** | **Fri 8/26/16** | | | | | | | | |
| 1.1.1.3.1 | Determine possible dates & times | 2 days | Wed 8/24/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.1.3.2 | Secure location(s) | 2 days | Wed 8/24/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.1.3.3 | Send invitations | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.1.3.4 | Record acceptances & permissions to record | 2 days | Thu 8/25/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.1.3.5 | Secure Focus Group facilitators & note takers | 3 days | Wed 8/24/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.1.4 | **Conduct Focus Groups** | **2 days** | **Mon 8/29/16** | **Tue 8/30/16** | | | | | | | | |
| 1.1.1.4.1 | Do introductions & instructions | 2 days | Mon 8/29/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.4.2 | Follow predetermined flow | 2 days | Mon 8/29/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.4.3 | Take notes | 2 days | Mon 8/29/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.4.4 | Record each focus group | 2 days | Mon 8/29/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.4.5 | Capture data in a usable format | 2 days | Mon 8/29/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.5 | **Analyze Results** | **2 days** | **Tue 8/30/16** | **Wed 8/31/16** | | | | | | | | |
| 1.1.1.5.1 | Transcribe notes and recordings | 1 day | Tue 8/30/16 | Tue 8/30/16 | | | | | | | | |
| 1.1.1.5.2 | Conduct data cleanup | 2 days | Tue 8/30/16 | Wed 8/31/16 | | | | | | | | |
| 1.1.1.5.3 | Determine overarching themes | 2 days | Tue 8/30/16 | Wed 8/31/16 | | | | | | | | |
| 1.1.1.5.4 | Conduct data analysis | 2 days | Tue 8/30/16 | Wed 8/31/16 | | | | | | | | |
| 1.1.1.5.5 | Write report | 2 days | Tue 8/30/16 | Wed 8/31/16 | | | | | | | | |

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| 1.1.1.5.6 | Share results with stakeholders & project team | 1 day | Wed 8/31/16 | Wed 8/31/16 | | | | | | | | |
| **1.1.2** | **Conduct Surveys** | **20 days** | **Mon 8/22/16** | **Sat 9/10/16** | | | | | | | | |
| **1.1.2.1** | **Develop survey tool** | **2 days** | **Mon 8/22/16** | **Tue 8/23/16** | | | | | | | | |
| 1.1.2.1.1 | determine survey goals | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.2.1.2 | decide which questions to ask | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.2.1.3 | develop templates | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.2.1.4 | develop possible responses for each question | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.2.1.5 | develop coding for each survey response | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| **1.1.2.2** | **Determine Survey Methodology** | **1 day** | **Mon 8/22/16** | **Mon 8/22/16** | | | | | | | | |
| 1.1.2.2.1 | Determine survey participant groups | 1 day | Mon 8/22/16 | Mon 8/22/16 | | | | | | | | |
| 1.1.2.2.2 | Determine how to conduct survey (online, mail, handouts, etc.) | 1 day | Mon 8/22/16 | Mon 8/22/16 | | | | | | | | |
| 1.1.2.2.3 | Determine sample size | 1 day | Mon 8/22/16 | Mon 8/22/16 | | | | | | | | |
| 1.1.2.2.4 | Determine response threshold (minimum) & acceptable confidence interval | 1 day | Mon 8/22/16 | Mon 8/22/16 | | | | | | | | |
| 1.1.2.2.5 | Establish survey timeline (start, close, etc.) | 1 day | Mon 8/22/16 | Mon 8/22/16 | | | | | | | | |
| **1.1.2.3** | **Conduct online survey** | **15 days** | **Wed 8/24/16** | **Wed 9/7/16** | | | | | | | | |
| 1.1.2.3.1 | Gather questions for survey | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.3.2 | Publish questions online | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.3.3 | Gather the email contacts of participants | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.3.4 | Send an email invite for the participants | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.3.5 | Gather responses from online survey | 13 days | Thu 8/25/16 | Tue 9/6/16 | | | | | | | | |
| **1.1.2.4** | **Conduct paper based survey** | **15 days** | **Wed 8/24/16** | **Wed 9/7/16** | | | | | | | | |
| 1.1.2.4.1 | Gather volunteers for the survey | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.4.2 | Place questions on template | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.4.3 | Decide where send or place the paper based survey | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.4.4 | Distribute the paper to the participants | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.2.4.5 | Gather participant responses. | 14 days | Thu 8/25/16 | Wed 9/7/16 | | | | | | | | |
| **1.1.2.5** | **Analyze the survey results** | **4 days** | **Wed 9/7/16** | **Sat 9/10/16** | | | | | | | | |
| 1.1.2.5.1 | Combine all the survey responses | 2 days | Wed 9/7/16 | Thu 9/8/16 | | | | | | | | |
| 1.1.2.5.2 | Categorize responses into data | 2 days | Wed 9/7/16 | Thu 9/8/16 | | | | | | | | |
| 1.1.2.5.3 | Visualize the data into graph using tools | 2 days | Thu 9/8/16 | Fri 9/9/16 | | | | | | | | |
| 1.1.2.5.4 | Analyze the survey results | 2 days | Thu 9/8/16 | Fri 9/9/16 | | | | | | | | |

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| 1.1.2.5.5 | Write report the survey results. | 2 days | Fri 9/9/16 | Sat 9/10/16 | | | ‖ | | | | | |
| **1.1.3** | **Interview** | **13 days** | **Mon 8/22/16** | **Sat 9/3/16** | | ▭ | | | | | | |
| **1.1.3.1** | **Brainstorming** | **1 day** | **Mon 8/22/16** | **Mon 8/22/16** | | ▮ | | | | | | |
| 1.1.3.1.1 | Select the areas to discuss | 1 day | Mon 8/22/16 | Mon 8/22/16 | | ▮ | | | | | | |
| 1.1.3.1.2 | Select brainstorming participants | 1 day | Mon 8/22/16 | Mon 8/22/16 | | ▮ | | | | | | |
| 1.1.3.1.3 | Determine potential questions | 1 day | Mon 8/22/16 | Mon 8/22/16 | | ▮ | | | | | | |
| 1.1.3.1.4 | Decide on the schedule | 1 day | Mon 8/22/16 | Mon 8/22/16 | | ▮ | | | | | | |
| 1.1.3.1.5 | Document the process | 1 day | Mon 8/22/16 | Mon 8/22/16 | | ▮ | | | | | | |
| **1.1.3.2** | **Analyze brainstorming results** | **2 days** | **Tue 8/23/16** | **Wed 8/24/16** | | ▮ | | | | | | |
| 1.1.3.2.1 | Organize results into a disgestable format | 2 days | Tue 8/23/16 | Wed 8/24/16 | | ‖ | | | | | | |
| 1.1.3.2.2 | Obtain feedback from Project Team and stakeholders | 2 days | Tue 8/23/16 | Wed 8/24/16 | | ‖ | | | | | | |
| 1.1.3.2.3 | Incorporate feedback into data collected | 2 days | Tue 8/23/16 | Wed 8/24/16 | | ‖ | | | | | | |
| 1.1.3.2.4 | Finalize interview questionnaire | 2 days | Tue 8/23/16 | Wed 8/24/16 | | ‖ | | | | | | |
| 1.1.3.2.5 | Report out | 2 days | Tue 8/23/16 | Wed 8/24/16 | | ‖ | | | | | | |
| **1.1.3.3** | **Outline logistics** | **3 days** | **Tue 8/23/16** | **Thu 8/25/16** | | ▮ | | | | | | |
| 1.1.3.3.1 | Identify individuals to interview | 3 days | Tue 8/23/16 | Thu 8/25/16 | | ‖ | | | | | | |
| 1.1.3.3.2 | Obtain participants' availability | 3 days | Tue 8/23/16 | Thu 8/25/16 | | ‖ | | | | | | |
| 1.1.3.3.3 | Book venues, dates and times | 3 days | Tue 8/23/16 | Thu 8/25/16 | | ‖ | | | | | | |
| 1.1.3.3.4 | Select interviewers | 3 days | Tue 8/23/16 | Thu 8/25/16 | | ‖ | | | | | | |
| 1.1.3.3.5 | Obtain recording devices & materials needed for interview | 3 days | Tue 8/23/16 | Thu 8/25/16 | | ‖ | | | | | | |
| **1.1.3.4** | **Prepare for & conduct Interviews** | **7 days** | **Thu 8/25/16** | **Wed 8/31/16** | | ▭ | | | | | | |
| 1.1.3.4.1 | Invite participants | 2 days | Thu 8/25/16 | Fri 8/26/16 | | ‖ | | | | | | |
| 1.1.3.4.2 | Schedule Interviews | 2 days | Thu 8/25/16 | Fri 8/26/16 | | ‖ | | | | | | |
| 1.1.3.4.3 | Obtain permissions | 2 days | Thu 8/25/16 | Fri 8/26/16 | | ‖ | | | | | | |
| 1.1.3.4.4 | Conduct interviews | 3 days | Mon 8/29/16 | Wed 8/31/16 | | ‖ | | | | | | |
| 1.1.3.4.5 | Record responses | 3 days | Mon 8/29/16 | Wed 8/31/16 | | ‖ | | | | | | |
| **1.1.3.5** | **Analyze Interview Results** | **3 days** | **Thu 9/1/16** | **Sat 9/3/16** | | | ▮ | | | | | |
| 1.1.3.5.1 | code responses | 3 days | Thu 9/1/16 | Sat 9/3/16 | | | ‖ | | | | | |
| 1.1.3.5.2 | determine themes | 3 days | Thu 9/1/16 | Sat 9/3/16 | | | ‖ | | | | | |
| 1.1.3.5.3 | analyze data | 3 days | Thu 9/1/16 | Sat 9/3/16 | | | ‖ | | | | | |
| 1.1.3.5.4 | Write report | 2 days | Fri 9/2/16 | Sat 9/3/16 | | | ‖ | | | | | |
| 1.1.3.5.5 | Report out | 1 day | Sat 9/3/16 | Sat 9/3/16 | | | ▮ | | | | | |
| **1.1.4** | **Benchmark** | **5 days** | **Mon 8/22/16** | **Fri 8/26/16** | | ▮ | | | | | | |
| **1.1.4.1** | **Gather Other Organization details** | **3 days** | **Mon 8/22/16** | **Wed 8/24/16** | | ▮ | | | | | | |

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| 1.1.4.1.1 | Browse the web for portals similar to the requirements | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.4.1.2 | Search for similar organizational websites | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.4.1.3 | Pick the Organizations that best fit the portal requirement | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.4.1.4 | Rank the list of Organizations by relevance | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| 1.1.4.1.5 | Document details | 2 days | Mon 8/22/16 | Tue 8/23/16 | | | | | | | | |
| **1.1.4.2** | **Setup Communication with the Organizations** | **3 days** | **Mon 8/22/16** | **Wed 8/24/16** | | | | | | | | |
| 1.1.4.2.1 | Obtain contact information (physical address, email, name, phone) | 3 days | Mon 8/22/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.2.2 | Contact organizations | 3 days | Mon 8/22/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.2.3 | Conduct follow up | 3 days | Mon 8/22/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.2.4 | Record responses | 2 days | Tue 8/23/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.2.5 | Report out | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| **1.1.4.3** | **Review Architectures of the Organizations** | **1 day** | **Wed 8/24/16** | **Wed 8/24/16** | | | | | | | | |
| 1.1.4.3.1 | Allocate resources to Organizations | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.3.2 | Writedown Architecture Information | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.3.3 | Document Info gathered over phones/emails | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.3.4 | Review the Architectures | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| 1.1.4.3.5 | Analyse and Identify Architectures that best fit the requirement | 1 day | Wed 8/24/16 | Wed 8/24/16 | | | | | | | | |
| **1.1.4.4** | **Generate statistics after Reviewing other Architectures** | **1 day** | **Thu 8/25/16** | **Thu 8/25/16** | | | | | | | | |
| 1.1.4.4.1 | Get Analysts to analyse the architectures | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.4.4.2 | Get statistical tools | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.4.4.3 | Generate Charts and Graphs | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.4.4.4 | Schedule meetings for discussion | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| 1.1.4.4.5 | Make changes if needed | 1 day | Thu 8/25/16 | Thu 8/25/16 | | | | | | | | |
| **1.1.4.5** | **Prepare Document for Architecture Review** | **1 day** | **Fri 8/26/16** | **Fri 8/26/16** | | | | | | | | |
| 1.1.4.5.1 | Generate a Draft | 1 day | Fri 8/26/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.4.5.2 | Distribute work among the resources | 1 day | Fri 8/26/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.4.5.3 | Update the Draft | 1 day | Fri 8/26/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.4.5.4 | Schedule meetings to discuss changes | 1 day | Fri 8/26/16 | Fri 8/26/16 | | | | | | | | |
| 1.1.4.5.5 | Make changes to the draft if required | 1 day | Fri 8/26/16 | Fri 8/26/16 | | | | | | | | |
| **1.1.5** | **Meet with stakeholders** | **20 days** | **Mon 8/22/16** | **Sat 9/10/16** | | | | | | | | |

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| **1.1.5.1** | **Talk with Student organizations** | **5 days** | **Mon 8/22/16** | **Fri 8/26/16** | | ▭ | | | | | | |
| 1.1.5.1.1 | Research and list the different Organizations on campus | 5 days | Mon 8/22/16 | Fri 8/26/16 | | ▮ | | | | | | |
| 1.1.5.1.2 | Prioritize the list of organizations | 5 days | Mon 8/22/16 | Fri 8/26/16 | | ▮ | | | | | | |
| 1.1.5.1.3 | Gather contact info | 5 days | Mon 8/22/16 | Fri 8/26/16 | | ▮ | | | | | | |
| 1.1.5.1.4 | Email or schedule meetings | 5 days | Mon 8/22/16 | Fri 8/26/16 | | ▮ | | | | | | |
| 1.1.5.1.5 | Document the gathered info | 5 days | Mon 8/22/16 | Fri 8/26/16 | | ▮ | | | | | | |
| **1.1.5.2** | **Meet with Alumni/ Current Students** | **5 days** | **Fri 8/26/16** | **Tue 8/30/16** | | ▭ | | | | | | |
| 1.1.5.2.1 | Secure the list of alumni and current students | 5 days | Fri 8/26/16 | Tue 8/30/16 | | ▮ | | | | | | |
| 1.1.5.2.2 | Gather the contact info of representative students | 5 days | Fri 8/26/16 | Tue 8/30/16 | | ▮ | | | | | | |
| 1.1.5.2.3 | Schedule meetings and/or send out emails | 5 days | Fri 8/26/16 | Tue 8/30/16 | | ▮ | | | | | | |
| 1.1.5.2.4 | Gather and prioritize the content | 5 days | Fri 8/26/16 | Tue 8/30/16 | | ▮ | | | | | | |
| 1.1.5.2.5 | Document the content gathered | 5 days | Fri 8/26/16 | Tue 8/30/16 | | ▮ | | | | | | |
| **1.1.5.3** | **Meet with prospective future students** | **5 days** | **Tue 8/30/16** | **Sat 9/3/16** | | ▭ | | | | | | |
| 1.1.5.3.1 | Meet with the admissions office | 5 days | Tue 8/30/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.1.5.3.2 | Secure the list and contact info of prospective future students | 5 days | Tue 8/30/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.1.5.3.3 | Email the students | 5 days | Tue 8/30/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.1.5.3.4 | List out the most FAQs | 5 days | Tue 8/30/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.1.5.3.5 | Document the FAQs | 5 days | Tue 8/30/16 | Sat 9/3/16 | | ▮ | | | | | | |
| **1.1.5.4** | **Contact Nearby Establishments** | **5 days** | **Sat 9/3/16** | **Wed 9/7/16** | | | ▭ | | | | | |
| 1.1.5.4.1 | Fetch the list of all grocers and convenience stores nearby | 5 days | Sat 9/3/16 | Wed 9/7/16 | | | ▮ | | | | | |
| 1.1.5.4.2 | Fetch the list of all the restaurants | 5 days | Sat 9/3/16 | Wed 9/7/16 | | | ▮ | | | | | |
| 1.1.5.4.3 | Contact the establishments | 5 days | Sat 9/3/16 | Wed 9/7/16 | | | ▮ | | | | | |
| 1.1.5.4.4 | Procure the price, distance and operating hours | 5 days | Sat 9/3/16 | Wed 9/7/16 | | | ▮ | | | | | |
| 1.1.5.4.5 | Segregate the list and document | 5 days | Sat 9/3/16 | Wed 9/7/16 | | | ▮ | | | | | |
| **1.1.5.5** | **Meet with Housing Providers** | **5 days** | **Tue 9/6/16** | **Sat 9/10/16** | | | ▭ | | | | | |
| 1.1.5.5.1 | Meet with the On Campus housing representatives | 5 days | Tue 9/6/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.1.5.5.2 | Meet with the Off Campus housing representatives nearby | 5 days | Tue 9/6/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.1.5.5.3 | Gather Contact info of the housing providers/agents | 5 days | Tue 9/6/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.1.5.5.4 | Procure floor plans and price brackets | 5 days | Tue 9/6/16 | Sat 9/10/16 | | | ▮ | | | | | |

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| 1.1.5.5.5 | Document the list of options | 5 days | Tue 9/6/16 | Sat 9/10/16 |
| | **Gathering Content Documentation Complete** | **0 days** | **Sat 9/10/16** | **Sat 9/10/16** |
| **1.2** | **Gather Requirements** | **35 days** | **Mon 8/22/16** | **Sun 9/25/16** |
| **1.2.1** | **Gather User Requirements** | **20 days** | **Mon 8/22/16** | **Sat 9/10/16** |
| **1.2.1.1** | **Gather Student Info for Interviews** | **11 days** | **Mon 8/22/16** | **Thu 9/1/16** |
| 1.2.1.1.1 | Fetch University Contact Details | 11 days | Mon 8/22/16 | Thu 9/1/16 |
| 1.2.1.1.2 | Reach out to the Administrative branch | 11 days | Mon 8/22/16 | Thu 9/1/16 |
| 1.2.1.1.3 | Request contact info of Students | 11 days | Mon 8/22/16 | Thu 9/1/16 |
| 1.2.1.1.4 | Procure and store the contact info | 11 days | Mon 8/22/16 | Thu 9/1/16 |
| 1.2.1.1.5 | Select the target students | 11 days | Mon 8/22/16 | Thu 9/1/16 |
| **1.2.1.2** | **Contact Target Users** | **1 day** | **Thu 9/1/16** | **Thu 9/1/16** |
| 1.2.1.2.1 | Compose the emails to be sent out | 1 day | Thu 9/1/16 | Thu 9/1/16 |
| 1.2.1.2.2 | Schedule time and date of the Interviews | 1 day | Thu 9/1/16 | Thu 9/1/16 |
| 1.2.1.2.3 | Procure locations for the Interviews | 1 day | Thu 9/1/16 | Thu 9/1/16 |
| 1.2.1.2.4 | Identify the target Users | 1 day | Thu 9/1/16 | Thu 9/1/16 |
| 1.2.1.2.5 | Send out emails | 1 day | Thu 9/1/16 | Thu 9/1/16 |
| **1.2.1.3** | **Finalize Interview Candidates** | **1 day** | **Fri 9/2/16** | **Fri 9/2/16** |
| 1.2.1.3.1 | Record the responses of emails | 1 day | Fri 9/2/16 | Fri 9/2/16 |
| 1.2.1.3.2 | Document the list of Users who responded positively for the interviews | 1 day | Fri 9/2/16 | Fri 9/2/16 |
| 1.2.1.3.3 | Select the priority users from the list of users | 1 day | Fri 9/2/16 | Fri 9/2/16 |
| 1.2.1.3.4 | Gather User availabilities | 1 day | Fri 9/2/16 | Fri 9/2/16 |
| 1.2.1.3.5 | Schedule and send out the interview confirmation | 1 day | Fri 9/2/16 | Fri 9/2/16 |
| **1.2.1.4** | **Interview candidates** | **5 days** | **Fri 9/2/16** | **Tue 9/6/16** |
| 1.2.1.4.1 | Ask the interview questions | 5 days | Fri 9/2/16 | Tue 9/6/16 |
| 1.2.1.4.2 | Record the Interviews | 5 days | Fri 9/2/16 | Tue 9/6/16 |
| 1.2.1.4.3 | Note down responses | 5 days | Fri 9/2/16 | Tue 9/6/16 |
| 1.2.1.4.4 | Gather Questions from the Candidates | 5 days | Fri 9/2/16 | Tue 9/6/16 |
| 1.2.1.4.5 | Document responses and Questions | 5 days | Fri 9/2/16 | Tue 9/6/16 |
| **1.2.1.5** | **Analyze the interviews** | **4 days** | **Wed 9/7/16** | **Sat 9/10/16** |
| 1.2.1.5.1 | Collect the data from gathered document | 4 days | Wed 9/7/16 | Sat 9/10/16 |
| 1.2.1.5.2 | Analyze the responses | 4 days | Wed 9/7/16 | Sat 9/10/16 |
| 1.2.1.5.3 | Draw conclusions from the responses | 4 days | Wed 9/7/16 | Sat 9/10/16 |
| 1.2.1.5.4 | Gather the most frequently asked questions | 4 days | Wed 9/7/16 | Sat 9/10/16 |
| 1.2.1.5.5 | Document the conclusions and questions | 4 days | Wed 9/7/16 | Sat 9/10/16 |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novembe Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.2.2** | **Gather Business Requirements** | **13 days** | **Mon 8/22/16** | **Sat 9/3/16** | | ▭ | | | | | | |
| **1.2.2.1** | **Define the objectives** | **2 days** | **Mon 8/22/16** | **Tue 8/23/16** | | ▮ | | | | | | |
| 1.2.2.1.1 | Developing Survey questionnaire | 2 days | Mon 8/22/16 | Tue 8/23/16 | | ▮ | | | | | | |
| 1.2.2.1.2 | User interviews | 2 days | Mon 8/22/16 | Tue 8/23/16 | | ▮ | | | | | | |
| 1.2.2.1.3 | Parent project material | 2 days | Mon 8/22/16 | Tue 8/23/16 | | ▮ | | | | | | |
| 1.2.2.1.4 | Define financial scope | 2 days | Mon 8/22/16 | Tue 8/23/16 | | ▮ | | | | | | |
| 1.2.2.1.5 | Define market value | 2 days | Mon 8/22/16 | Tue 8/23/16 | | ▮ | | | | | | |
| **1.2.2.2** | **Survey client base** | **7 days** | **Wed 8/24/16** | **Tue 8/30/16** | | ▭ | | | | | | |
| 1.2.2.2.1 | Survey the students | 7 days | Wed 8/24/16 | Tue 8/30/16 | | ▬ | | | | | | |
| 1.2.2.2.2 | Summarize the project | 7 days | Wed 8/24/16 | Tue 8/30/16 | | ▬ | | | | | | |
| 1.2.2.2.3 | Conduct online polls | 7 days | Wed 8/24/16 | Tue 8/30/16 | | ▬ | | | | | | |
| 1.2.2.2.4 | Gather Information | 7 days | Wed 8/24/16 | Tue 8/30/16 | | ▬ | | | | | | |
| 1.2.2.2.5 | Construct prototypes | 7 days | Wed 8/24/16 | Tue 8/30/16 | | ▬ | | | | | | |
| **1.2.2.3** | **Document Analysis** | **3 days** | **Tue 8/30/16** | **Thu 9/1/16** | | ▮ | | | | | | |
| 1.2.2.3.1 | Validate requirement | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.3.2 | Drill down | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.3.3 | Merge up | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.3.4 | Resolve bottlenecks | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.3.5 | Evaluate RFP | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| **1.2.2.4** | **University location analysis** | **3 days** | **Tue 8/30/16** | **Thu 9/1/16** | | ▮ | | | | | | |
| 1.2.2.4.1 | Understand campus events | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.4.2 | Retrieve student housing | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.4.3 | Survey transport options | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.4.4 | Find out grocery stores | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| 1.2.2.4.5 | Survey crowd culture | 3 days | Tue 8/30/16 | Thu 9/1/16 | | ▮ | | | | | | |
| **1.2.2.5** | **Stakeholder Requirements** | **3 days** | **Thu 9/1/16** | **Sat 9/3/16** | | ▮ | | | | | | |
| 1.2.2.5.1 | Contact alumni | 3 days | Thu 9/1/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.2.2.5.2 | Contact landlords | 3 days | Thu 9/1/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.2.2.5.3 | Contact store owners | 3 days | Thu 9/1/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.2.2.5.4 | Contact student community | 3 days | Thu 9/1/16 | Sat 9/3/16 | | ▮ | | | | | | |
| 1.2.2.5.5 | Contact party clubs | 3 days | Thu 9/1/16 | Sat 9/3/16 | | ▮ | | | | | | |
| **1.2.3** | **Gather Implementation Requirements** | **20 days** | **Mon 8/22/16** | **Sat 9/10/16** | | ▭ | | | | | | |
| **1.2.3.1** | **Define team roles** | **4 days** | **Mon 8/22/16** | **Thu 8/25/16** | | ▮ | | | | | | |
| 1.2.3.1.1 | Assess skill need | 4 days | Mon 8/22/16 | Thu 8/25/16 | | ▮ | | | | | | |
| 1.2.3.1.2 | Update technology stack | 4 days | Mon 8/22/16 | Thu 8/25/16 | | ▮ | | | | | | |
| 1.2.3.1.3 | Define resource roles | 4 days | Mon 8/22/16 | Thu 8/25/16 | | ▮ | | | | | | |
| 1.2.3.1.4 | Assign development roles | 4 days | Mon 8/22/16 | Thu 8/25/16 | | ▮ | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novemb Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.2.3.1.5 | Assign Testing roles | 4 days | Mon 8/22/16 | Thu 8/25/16 | | ▮ | | | | | | |
| **1.2.3.2** | **Development process** | **10 days** | **Thu 8/25/16** | **Sat 9/3/16** | | ▭ | | | | | | |
| 1.2.3.2.1 | Gather the code base | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.2.2 | Align to a technology | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.2.3 | Design database | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.2.4 | Design codebase | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.2.5 | Streamline to a web architecture | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| **1.2.3.3** | **Testing process** | **10 days** | **Thu 8/25/16** | **Sat 9/3/16** | | ▭ | | | | | | |
| 1.2.3.3.1 | Define usecases | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.3.2 | Define userbased testcases | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.3.3 | Design test plans | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.3.4 | Define test timelines | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| 1.2.3.3.5 | Define test resources | 10 days | Thu 8/25/16 | Sat 9/3/16 | | ▬ | | | | | | |
| **1.2.3.4** | **Quality Process** | **15 days** | **Thu 8/25/16** | **Thu 9/8/16** | | ▭ | | | | | | |
| 1.2.3.4.1 | Set performance criteria | 15 days | Thu 8/25/16 | Thu 9/8/16 | | ▬ | | | | | | |
| 1.2.3.4.2 | Set Integrity Criteria | 15 days | Thu 8/25/16 | Thu 9/8/16 | | ▬ | | | | | | |
| 1.2.3.4.3 | Review SOP | 15 days | Thu 8/25/16 | Thu 9/8/16 | | ▬ | | | | | | |
| 1.2.3.4.4 | Define new sops | 15 days | Thu 8/25/16 | Thu 9/8/16 | | ▬ | | | | | | |
| 1.2.3.4.5 | Purchase quality management software | 15 days | Thu 8/25/16 | Thu 9/8/16 | | ▬ | | | | | | |
| **1.2.3.5** | **Software and License Requirements** | **6 days** | **Mon 9/5/16** | **Sat 9/10/16** | | | ▭ | | | | | |
| 1.2.3.5.1 | Renew existing license | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.2.3.5.2 | Contract licenses | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.2.3.5.3 | Buy server infrastructure | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.2.3.5.4 | Purchase firewall security | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.2.3.5.5 | Purchase website hosting domain | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| 1.2.3.5.6 | Review Requirements | 6 days | Mon 9/5/16 | Sat 9/10/16 | | | ▮ | | | | | |
| **1.2.4** | **Review Requirements** | **9 days** | **Sat 9/10/16** | **Sun 9/18/16** | | | ▭ | | | | | |
| **1.2.4.1** | **Review with Stakeholders** | **4 days** | **Sat 9/10/16** | **Tue 9/13/16** | | | ▮ | | | | | |
| 1.2.4.1.1 | Schedule meeting with stakeholders | 4 days | Sat 9/10/16 | Tue 9/13/16 | | | ▮ | | | | | |
| 1.2.4.1.2 | Share the analyzed data | 4 days | Sat 9/10/16 | Tue 9/13/16 | | | ▮ | | | | | |
| 1.2.4.1.3 | Discuss the analysis results | 4 days | Sat 9/10/16 | Tue 9/13/16 | | | ▮ | | | | | |
| 1.2.4.1.4 | Draw conclusions from the meeting | 4 days | Sat 9/10/16 | Tue 9/13/16 | | | ▮ | | | | | |
| 1.2.4.1.5 | Update the requirements as needed | 4 days | Sat 9/10/16 | Tue 9/13/16 | | | ▮ | | | | | |
| **1.2.4.2** | **Finalize Design** | **5 days** | **Mon 9/12/16** | **Fri 9/16/16** | | | ▮ | | | | | |
| 1.2.4.2.1 | Identify the design goals | 5 days | Mon 9/12/16 | Fri 9/16/16 | | | ▮ | | | | | |
| 1.2.4.2.2 | Document the design goals | 5 days | Mon 9/12/16 | Fri 9/16/16 | | | ▮ | | | | | |
| 1.2.4.2.3 | Discuss design goals with stakeholders | 5 days | Mon 9/12/16 | Fri 9/16/16 | | | ▮ | | | | | |

| WBS | Task Name | Duration | Start | Finish |
|-----|-----------|----------|-------|--------|
| 1.2.4.2.4 | Review the design goals | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| 1.2.4.2.5 | Finalize the design goals | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| **1.2.4.3** | **Finalize the sponsors** | **5 days** | **Mon 9/12/16** | **Fri 9/16/16** |
| 1.2.4.3.1 | Identify the sponsors | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| 1.2.4.3.2 | Approach the sponsors | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| 1.2.4.3.3 | Propose the website to the sponsors | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| 1.2.4.3.4 | Implement changes proposed by the sponsors | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| 1.2.4.3.5 | Finalize the proposal | 5 days | Mon 9/12/16 | Fri 9/16/16 |
| **1.2.4.4** | **Secure Funding** | **3 days** | **Tue 9/13/16** | **Thu 9/15/16** |
| 1.2.4.4.1 | Demonstrate a prototype or the theme of the website | 3 days | Tue 9/13/16 | Thu 9/15/16 |
| 1.2.4.4.2 | Discuss the budget required | 3 days | Tue 9/13/16 | Thu 9/15/16 |
| 1.2.4.4.3 | Discuss and decide on time constraints | 3 days | Tue 9/13/16 | Thu 9/15/16 |
| 1.2.4.4.4 | Finalize the constraints | 3 days | Tue 9/13/16 | Thu 9/15/16 |
| 1.2.4.4.5 | Secure and write a contract with the sponsors on funding | 3 days | Tue 9/13/16 | Thu 9/15/16 |
| **1.2.4.5** | **Setup Infrastructure** | **9 days** | **Sat 9/10/16** | **Sun 9/18/16** |
| 1.2.4.5.1 | Order required software | 9 days | Sat 9/10/16 | Sun 9/18/16 |
| 1.2.4.5.2 | Order required hardware | 9 days | Sat 9/10/16 | Sun 9/18/16 |
| 1.2.4.5.3 | Receive the orders | 9 days | Sat 9/10/16 | Sun 9/18/16 |
| 1.2.4.5.4 | Assign Installation to the team | 9 days | Sat 9/10/16 | Sun 9/18/16 |
| 1.2.4.5.5 | Finish installation | 9 days | Sat 9/10/16 | Sun 9/18/16 |
| **1.2.5** | **Conduct training and Review changes** | **7 days** | **Sat 9/10/16** | **Fri 9/16/16** |
| **1.2.5.1** | **Training** | **5 days** | **Sat 9/10/16** | **Wed 9/14/16** |
| 1.2.5.1.1 | Prepare training content | 1 day | Sat 9/10/16 | Sat 9/10/16 |
| 1.2.5.1.2 | Conduct Workshops to foster understanding of WBS | 1 day | Mon 9/12/16 | Mon 9/12/16 |
| 1.2.5.1.3 | Arrange Knowledge transfer Sessions between Developers | 2 days | Mon 9/12/16 | Tue 9/13/16 |
| 1.2.5.1.4 | Train the developers with modern technologies | 2 days | Mon 9/12/16 | Tue 9/13/16 |
| 1.2.5.1.5 | Obtain feedback from trainees and incorporate into future training sessions | 2 days | Tue 9/13/16 | Wed 9/14/16 |
| **1.2.5.2** | **Budget Development and Analysis** | **2 days** | **Sat 9/10/16** | **Sun 9/11/16** |
| 1.2.5.2.1 | Determine Cost estimates for each activity | 2 days | Sat 9/10/16 | Sun 9/11/16 |
| 1.2.5.2.2 | Determine the must have tasks and activities | 2 days | Sat 9/10/16 | Sun 9/11/16 |

| WBS | Task Name | Duration | Start | Finish |
|---|---|---|---|---|
| 1.2.5.2.3 | Determine the cost estimates for the must have activities | 2 days | Sat 9/10/16 | Sun 9/11/16 |
| 1.2.5.2.4 | Determine if any activity has to be removed | 2 days | Sat 9/10/16 | Sun 9/11/16 |
| 1.2.5.2.5 | Document the process | | | |
| **1.2.5.3** | **Conduct Discussion at various stages** | **7 days** | **Sat 9/10/16** | **Fri 9/16/16** |
| 1.2.5.3.1 | Developer must discuss within team at each checkpoints | 7 days | Sat 9/10/16 | Fri 9/16/16 |
| 1.2.5.3.2 | Team lead and Testing Manager should be present at all higher level meetings | 7 days | Sat 9/10/16 | Fri 9/16/16 |
| 1.2.5.3.3 | Testing Manager will report the issues if any | 7 days | Sat 9/10/16 | Fri 9/16/16 |
| 1.2.5.3.4 | There must be a frequent discussion within the team and with higher management | 7 days | Sat 9/10/16 | Fri 9/16/16 |
| 1.2.5.3.5 | Documenting the changes | 7 days | Sat 9/10/16 | Fri 9/16/16 |
| **1.2.5.4** | **Finalize the changes** | **2 days** | **Thu 9/15/16** | **Fri 9/16/16** |
| 1.2.5.4.1 | Make the draft version for review | 1 day | Thu 9/15/16 | Thu 9/15/16 |
| 1.2.5.4.2 | Gather a meeting with team members and stakeholders | 1 day | Thu 9/15/16 | Thu 9/15/16 |
| 1.2.5.4.3 | Go through each section and discuss each functionalities functioning | 1 day | Thu 9/15/16 | Thu 9/15/16 |
| 1.2.5.4.4 | Reach agreement  and sign off | 1 day | Fri 9/16/16 | Fri 9/16/16 |
| 1.2.5.4.5 | Finalize the document with the changes | 1 day | Fri 9/16/16 | Fri 9/16/16 |
| **1.2.5.5** | **Reconsider Stakeholder Groups** | **2 days** | **Thu 9/15/16** | **Fri 9/16/16** |
| 1.2.5.5.1 | Determine missing groups | 2 days | Thu 9/15/16 | Fri 9/16/16 |
| 1.2.5.5.2 | Enlist the participation of missing stakeholders | 2 days | Thu 9/15/16 | Fri 9/16/16 |
| 1.2.5.5.3 | Obtain feedback from the new stakeholders | 2 days | Thu 9/15/16 | Fri 9/16/16 |
| 1.2.5.5.4 | Submit changes to review board | 2 days | Thu 9/15/16 | Fri 9/16/16 |
| 1.2.5.5.5 | Incorporate new content into the existing repository | 2 days | Thu 9/15/16 | Fri 9/16/16 |
| | Gathering Requirements Documentation Complete | 0 days | Fri 9/16/16 | Fri 9/16/16 |
| **1.3** | **Build the front-end** | **60 days** | **Mon 9/26/16** | **Thu 11/24/16** |
| **1.3.1** | **Select front end design template** | **11 days** | **Mon 9/26/16** | **Thu 10/6/16** |
| **1.3.1.1** | **Design the prototype** | **3 days** | **Mon 9/26/16** | **Wed 9/28/16** |
| 1.3.1.1.1 | Collect all the contacts of web | 1 day | Mon 9/26/16 | Mon 9/26/16 |
| 1.3.1.1.2 | Access the project documents | 1 day | Mon 9/26/16 | Mon 9/26/16 |

Timeline header: July / Jul, August / Aug, September / Sep, October / Oct, November / Nov, December / Dec, January / Jan, February / Feb

Milestone: ◆ 9/16

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novembe Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.3.1.1.3 | Gather the requirements from project documents | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| 1.3.1.1.4 | Design rapid prototyping based on requirements | 2 days | Tue 9/27/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.1.1.5 | Review the designed prototypes with the client | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| **1.3.1.2** | **Identify the reliable web builders** | **2 days** | **Tue 9/27/16** | **Wed 9/28/16** | | | | | | | | |
| 1.3.1.2.1 | Collect all the contacts of web builders from the existing projects | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.3.1.2.2 | Collect all the contacts of web builders from outside the organization | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.3.1.2.3 | Gather the feedback of web builders serviced to the existing projects | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.1.2.4 | Check forums, user ratings of outside web builders. | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.1.2.5 | Combine the list of reliable web builders from inside and outside the organization | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| **1.3.1.3** | **Gather all the web templates** | **2 days** | **Thu 9/29/16** | **Fri 9/30/16** | | | | | | | | |
| 1.3.1.3.1 | Prepare list 1 from the reliable web templates by matching the prototype | 1 day | Thu 9/29/16 | Thu 9/29/16 | | | | | | | | |
| 1.3.1.3.2 | Prepare list 2 from list 1 of web templates which suits the front end technology | 1 day | Thu 9/29/16 | Thu 9/29/16 | | | | | | | | |
| 1.3.1.3.3 | Prepare list 3 from list 2 of web templates which suits with the back end technology | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.3.1.3.4 | Prepare list 4 from list 3 of web templates which suits with the web server. | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.3.1.3.5 | Prepare list 5 from list 4 of web templates which satisfies non-functional requirements. | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| **1.3.1.4** | **Choose a web template** | **2 days** | **Sat 10/1/16** | **Sun 10/2/16** | | | | | | | | |
| 1.3.1.4.1 | Get the contacts of back end developers | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.1.4.2 | Get the contacts of web server team. | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.1.4.3 | Get the contacts of business intelligence team | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.1.4.4 | Send an email invite for group discussion | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.1.4.5 | Discuss and choose a web template based on group discussion. | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| **1.3.1.5** | **Get the user opinion** | **4 days** | **Mon 10/3/16** | **Thu 10/6/16** | | | | | | | | |
| 1.3.1.5.1 | Get the contacts of client | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.3.1.5.2 | Send an email invite to client | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.3.1.5.3 | Show the web template to client | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.3.1.5.4 | Note down the feedback of client opinion | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.3.1.5.5 | Get the formal acceptance from client | 2 days | Wed 10/5/16 | Thu 10/6/16 | | | | | | | | |
| | **Template Selection Complete** | **0 days** | **Thu 10/6/16** | **Thu 10/6/16** | | | | ◆ 10/6 | | | | |
| **1.3.2** | **Decide the features to be included** | **14 days** | **Wed 9/28/16** | **Tue 10/11/16** | | | | | | | | |
| **1.3.2.1** | **Analyze the requirement document** | **2 days** | **Wed 9/28/16** | **Thu 9/29/16** | | | | | | | | |
| 1.3.2.1.1 | Access the requirement documents | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.2.1.2 | Understand the major functionalities | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.2.1.3 | Discuss about requirements with team members. | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.3.2.1.4 | Analyze the use cases | 1 day | Thu 9/29/16 | Thu 9/29/16 | | | | | | | | |
| 1.3.2.1.5 | Divide the requirements into modules. | 1 day | Thu 9/29/16 | Thu 9/29/16 | | | | | | | | |
| **1.3.2.2** | **Determine the page layouts** | **3 days** | **Fri 9/30/16** | **Sun 10/2/16** | | | | | | | | |
| 1.3.2.2.1 | Select color theme | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.3.2.2.2 | Decide font size, type | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.3.2.2.3 | Choose the type of navigation pane | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.2.2.4 | Decide modules to be placed on each page. | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.3.2.2.5 | Divide the layout | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| **1.3.2.3** | **Decide the Content** | **2 days** | **Mon 10/3/16** | **Tue 10/4/16** | | | | | | | | |
| 1.3.2.3.1 | Send a meeting invite to stakeholders | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.3.2.3.2 | Arrange the meeting with stakeholders | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.3.2.3.3 | Discuss about the content | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.3.2.3.4 | Finalize the content based on discussion | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.3.2.3.5 | Get the formal approval about content from stakeholders. | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| **1.3.2.4** | **Design the prototype** | **4 days** | **Wed 10/5/16** | **Sat 10/8/16** | | | | | | | | |
| 1.3.2.4.1 | Decide the prototype type | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.3.2.4.2 | Decide the tool to prototype | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.3.2.4.3 | Allocate prototype task to team members | 1 day | Thu 10/6/16 | Thu 10/6/16 | | | | | | | | |
| 1.3.2.4.4 | Design the layouts using decided prototype | 2 days | Thu 10/6/16 | Fri 10/7/16 | | | | | | | | |
| 1.3.2.4.5 | Place the content in the page layouts. | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | | | | | |
| **1.3.2.5** | **Get the client approval** | **3 days** | **Sun 10/9/16** | **Tue 10/11/16** | | | | | | | | |
| 1.3.2.5.1 | Send a meeting invite to stakeholders | 1 day | Sun 10/9/16 | Sun 10/9/16 | | | | | | | | |
| 1.3.2.5.2 | Arrange the meeting with stakeholders | 1 day | Sun 10/9/16 | Sun 10/9/16 | | | | | | | | |
| 1.3.2.5.3 | Show the prototype with the content to the stakeholders | 1 day | Mon 10/10/16 | Mon 10/10/16 | | | | | | | | |
| 1.3.2.5.4 | Finalize the content based on discussion | 1 day | Mon 10/10/16 | Mon 10/10/16 | | | | | | | | |
| 1.3.2.5.5 | Get the formal approval about content from stakeholders. | 1 day | Tue 10/11/16 | Tue 10/11/16 | | | | | | | | |
| | **Prototype Demo Complete** | **0 days** | **Tue 10/11/16** | **Tue 10/11/16** | | | | ◆ 10/11 | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | September Sep | October Oct | November Nov | December Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.3.3** | **Coding the front end technology** | **27 days** | **Mon 10/10/16** | **Sat 11/5/16** | | | | | | | | |
| **1.3.3.1** | **Prepare a Gantt Chart** | **3 days** | **Mon 10/10/16** | **Wed 10/12/16** | | | | | | | | |
| 1.3.3.1.1 | Access the requirement document | 1 day | Mon 10/10/16 | Mon 10/10/16 | | | | | | | | |
| 1.3.3.1.2 | Discuss with team members | 1 day | Tue 10/11/16 | Tue 10/11/16 | | | | | | | | |
| 1.3.3.1.3 | Divide the requirements into modules and modules into programs. | 1 day | Tue 10/11/16 | Tue 10/11/16 | | | | | | | | |
| 1.3.3.1.4 | Estimate time for each program. | 1 day | Wed 10/12/16 | Wed 10/12/16 | | | | | | | | |
| 1.3.3.1.5 | Prepare a Gantt Chart for pseudo code phase, coding phase and review phase. | 1 day | Wed 10/12/16 | Wed 10/12/16 | | | | | | | | |
| **1.3.3.2** | **Design Pseudo code** | **5 days** | **Thu 10/13/16** | **Mon 10/17/16** | | | | | | | | |
| 1.3.3.2.1 | Allocate programs among the team members. | 1 day | Thu 10/13/16 | Thu 10/13/16 | | | | | | | | |
| 1.3.3.2.2 | Discuss about logic among team members. | 3 days | Thu 10/13/16 | Sat 10/15/16 | | | | | | | | |
| 1.3.3.2.3 | Document the algorithm for each program. | 2 days | Sat 10/15/16 | Sun 10/16/16 | | | | | | | | |
| 1.3.3.2.4 | Place the document into the project repository. | 1 day | Mon 10/17/16 | Mon 10/17/16 | | | | | | | | |
| 1.3.3.2.5 | Update the status in Gantt Chart. | 1 day | Mon 10/17/16 | Mon 10/17/16 | | | | | | | | |
| **1.3.3.3** | **Coding the front end** | **10 days** | **Tue 10/18/16** | **Thu 10/27/16** | | | | | | | | |
| 1.3.3.3.1 | Access the pseudo code document from the repository. | 1 day | Tue 10/18/16 | Tue 10/18/16 | | | | | | | | |
| 1.3.3.3.2 | Code each program in the IDE | 6 days | Wed 10/19/16 | Mon 10/24/16 | | | | | | | | |
| 1.3.3.3.3 | Test each program in IDE | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.3.3.3.4 | Document each program into the project repository. | 1 day | Thu 10/27/16 | Thu 10/27/16 | | | | | | | | |
| 1.3.3.3.5 | Update the status in Gantt Chart. | 1 day | Thu 10/27/16 | Thu 10/27/16 | | | | | | | | |
| **1.3.3.4** | **Review the modules** | **5 days** | **Fri 10/28/16** | **Tue 11/1/16** | | | | | | | | |
| 1.3.3.4.1 | Access a test environment | 1 day | Fri 10/28/16 | Fri 10/28/16 | | | | | | | | |
| 1.3.3.4.2 | Deploy each program into the test environment | 2 days | Fri 10/28/16 | Sat 10/29/16 | | | | | | | | |
| 1.3.3.4.3 | Integrate every programs into a module. | 2 days | Fri 10/28/16 | Sat 10/29/16 | | | | | | | | |
| 1.3.3.4.4 | Test each use case | 3 days | Sun 10/30/16 | Tue 11/1/16 | | | | | | | | |
| 1.3.3.4.5 | Get the formal acceptance from solution architect. | 1 day | Tue 11/1/16 | Tue 11/1/16 | | | | | | | | |
| **1.3.3.5** | **Document each phase** | **4 days** | **Wed 11/2/16** | **Sat 11/5/16** | | | | | | | | |
| 1.3.3.5.1 | Check if there is any update in each project phase. | 1 day | Wed 11/2/16 | Wed 11/2/16 | | | | | | | | |
| 1.3.3.5.2 | Update the pseudo code document, if there is any change. | 1 day | Thu 11/3/16 | Thu 11/3/16 | | | | | | | | |
| 1.3.3.5.3 | Update the coding document, if there is any change. | 1 day | Fri 11/4/16 | Fri 11/4/16 | | | | | | | | |
| 1.3.3.5.4 | Document a flow chart among modules. | 1 day | Sat 11/5/16 | Sat 11/5/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novemb Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.3.3.5.5 | Update the status of each module in Gantt Chart | 1 day | Sat 11/5/16 | Sat 11/5/16 | | | | | | | | |
| **1.3.4** | **Layering the middle tier** | **27 days** | **Mon 10/17/16** | **Sat 11/12/16** | | | | | | | | |
| **1.3.4.1** | **Decide a software architectural pattern** | **3 days** | **Mon 10/17/16** | **Wed 10/19/16** | | | | | | | | |
| 1.3.4.1.1 | Access the functional and non-functional requirement documents | 1 day | Mon 10/17/16 | Mon 10/17/16 | | | | | | | | |
| 1.3.4.1.2 | Discuss with team members | 1 day | Mon 10/17/16 | Mon 10/17/16 | | | | | | | | |
| 1.3.4.1.3 | Discuss about software architectural pattern | 1 day | Tue 10/18/16 | Tue 10/18/16 | | | | | | | | |
| 1.3.4.1.4 | Choose an architectural design pattern. | 1 day | Tue 10/18/16 | Tue 10/18/16 | | | | | | | | |
| 1.3.4.1.5 | Prepare a Gantt Chart for pseudo code phase, coding phase and review phase | 1 day | Wed 10/19/16 | Wed 10/19/16 | | | | | | | | |
| **1.3.4.2** | **Pseudo code the middle layer** | **6 days** | **Thu 10/20/16** | **Tue 10/25/16** | | | | | | | | |
| 1.3.4.2.1 | Access project documents such as requirements, architectural design etc. | 1 day | Thu 10/20/16 | Thu 10/20/16 | | | | | | | | |
| 1.3.4.2.2 | Discuss about logic among team members. | 2 days | Fri 10/21/16 | Sat 10/22/16 | | | | | | | | |
| 1.3.4.2.3 | Document the algorithm for each program. | 3 days | Sat 10/22/16 | Mon 10/24/16 | | | | | | | | |
| 1.3.4.2.4 | Place the document into the project repository. | 1 day | Mon 10/24/16 | Mon 10/24/16 | | | | | | | | |
| 1.3.4.2.5 | Update the status in Gantt Chart. | 1 day | Tue 10/25/16 | Tue 10/25/16 | | | | | | | | |
| **1.3.4.3** | **Coding the middle layer** | **11 days** | **Wed 10/26/16** | **Sat 11/5/16** | | | | | | | | |
| 1.3.4.3.1 | Access the pseudo code document from the repository. | 1 day | Wed 10/26/16 | Wed 10/26/16 | | | | | | | | |
| 1.3.4.3.2 | Code each program in the IDE | 6 days | Thu 10/27/16 | Tue 11/1/16 | | | | | | | | |
| 1.3.4.3.3 | Integrate programs with front end and back end technology | 1 day | Wed 11/2/16 | Wed 11/2/16 | | | | | | | | |
| 1.3.4.3.4 | Test each program in IDE | 2 days | Thu 11/3/16 | Fri 11/4/16 | | | | | | | | |
| 1.3.4.3.5 | Update the status in Gantt Chart. | 1 day | Sat 11/5/16 | Sat 11/5/16 | | | | | | | | |
| **1.3.4.4** | **Review the modules** | **5 days** | **Sun 11/6/16** | **Thu 11/10/16** | | | | | | | | |
| 1.3.4.4.1 | Access a test environment | 1 day | Sun 11/6/16 | Sun 11/6/16 | | | | | | | | |
| 1.3.4.4.2 | Deploy each program into the test environment | 2 days | Mon 11/7/16 | Tue 11/8/16 | | | | | | | | |
| 1.3.4.4.3 | Integrate every programs into a module. | 2 days | Mon 11/7/16 | Tue 11/8/16 | | | | | | | | |
| 1.3.4.4.4 | Test each use case | 2 days | Tue 11/8/16 | Wed 11/9/16 | | | | | | | | |
| 1.3.4.4.5 | Get the formal acceptance from solution architect. | 1 day | Thu 11/10/16 | Thu 11/10/16 | | | | | | | | |
| **1.3.4.5** | **Document each phase** | **2 days** | **Fri 11/11/16** | **Sat 11/12/16** | | | | | | | | |
| 1.3.4.5.1 | Check if there is any update in each project phase. | 1 day | Fri 11/11/16 | Fri 11/11/16 | | | | | | | | |
| 1.3.4.5.2 | Update the pseudo code document, if there is any change. | 2 days | Fri 11/11/16 | Sat 11/12/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.3.4.5.3 | Update the coding document, if there is any change. | 2 days | Fri 11/11/16 | Sat 11/12/16 | | | | | ▌ | | | |
| 1.3.4.5.4 | Update flow chart document among modules. | 1 day | Sat 11/12/16 | Sat 11/12/16 | | | | | ▌ | | | |
| 1.3.4.5.5 | Update the status of each module in Gantt Chart | 1 day | Sat 11/12/16 | Sat 11/12/16 | | | | | ▌ | | | |
| **1.3.5** | **Implement Prototype Modelling and Quality Analysis** | **14 days** | **Fri 11/11/16** | **Thu 11/24/16** | | | | | ▭ | | | |
| **1.3.5.1** | **Review Developer Competency** | **3 days** | **Fri 11/11/16** | **Sun 11/13/16** | | | | | ▥ | | | |
| 1.3.5.1.1 | Develop Performance Standards for Developers | 1 day | Fri 11/11/16 | Fri 11/11/16 | | | | | ▌ | | | |
| 1.3.5.1.2 | Review Developer performance | 1 day | Sat 11/12/16 | Sat 11/12/16 | | | | | ▌ | | | |
| 1.3.5.1.3 | List Incompotent developers | 1 day | Sat 11/12/16 | Sat 11/12/16 | | | | | ▌ | | | |
| 1.3.5.1.4 | Put the Developers in probation | 1 day | Sat 11/12/16 | Sat 11/12/16 | | | | | ▌ | | | |
| 1.3.5.1.5 | Review performance after probation | 1 day | Sun 11/13/16 | Sun 11/13/16 | | | | | ▌ | | | |
| **1.3.5.2** | **Rapid Prototyping** | **3 days** | **Mon 11/14/16** | **Wed 11/16/16** | | | | | ▥ | | | |
| 1.3.5.2.1 | Analyse the requirements | 1 day | Mon 11/14/16 | Mon 11/14/16 | | | | | ▌ | | | |
| 1.3.5.2.2 | Analyse the features required | 1 day | Mon 11/14/16 | Mon 11/14/16 | | | | | ▌ | | | |
| 1.3.5.2.3 | Pick a rapid prototyping tool | 1 day | Mon 11/14/16 | Mon 11/14/16 | | | | | ▌ | | | |
| 1.3.5.2.4 | Build the rapid prototype model | 2 days | Tue 11/15/16 | Wed 11/16/16 | | | | | ▌ | | | |
| 1.3.5.2.5 | Incorporate the features and requirements in the model | 1 day | Wed 11/16/16 | Wed 11/16/16 | | | | | ▌ | | | |
| **1.3.5.3** | **Apply changes to Rapid Prototype model** | **2 days** | **Thu 11/17/16** | **Fri 11/18/16** | | | | | ▥ | | | |
| 1.3.5.3.1 | Receive feedback from stakeholders | 1 day | Thu 11/17/16 | Thu 11/17/16 | | | | | ▌ | | | |
| 1.3.5.3.2 | Identify Technical and Design flaws | 1 day | Thu 11/17/16 | Thu 11/17/16 | | | | | ▌ | | | |
| 1.3.5.3.3 | Correct the flaws | 1 day | Thu 11/17/16 | Thu 11/17/16 | | | | | ▌ | | | |
| 1.3.5.3.4 | Apply changes to the model | 1 day | Fri 11/18/16 | Fri 11/18/16 | | | | | ▌ | | | |
| 1.3.5.3.5 | Submit for stakeholder feedback | 1 day | Fri 11/18/16 | Fri 11/18/16 | | | | | ▌ | | | |
| **1.3.5.4** | **Follow Six Sigma** | **2 days** | **Sat 11/19/16** | **Sun 11/20/16** | | | | | ▥ | | | |
| 1.3.5.4.1 | Define each features of the website | 1 day | Sat 11/19/16 | Sat 11/19/16 | | | | | ▌ | | | |
| 1.3.5.4.2 | Measure the usability of each feature in the website | 1 day | Sat 11/19/16 | Sat 11/19/16 | | | | | ▌ | | | |
| 1.3.5.4.3 | Find any improvements over each feature in the website | 1 day | Sun 11/20/16 | Sun 11/20/16 | | | | | ▌ | | | |
| 1.3.5.4.4 | Generate ideas to improve the features | 1 day | Sun 11/20/16 | Sun 11/20/16 | | | | | ▌ | | | |
| 1.3.5.4.5 | Track and Verify the usability of each features | 1 day | Sun 11/20/16 | Sun 11/20/16 | | | | | ▌ | | | |
| **1.3.5.5** | **Generate Statistical report of each features usability** | **4 days** | **Mon 11/21/16** | **Thu 11/24/16** | | | | | ▥ | | | |
| 1.3.5.5.1 | List each features in the website | 1 day | Mon 11/21/16 | Mon 11/21/16 | | | | | ▌ | | | |

| WBS | Task Name | Duration | Start | Finish | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.3.5.5.2 | Decide a tool to generate the statistical report | 1 day | Mon 11/21/16 | Mon 11/21/16 | | | | | | | | |
| 1.3.5.5.3 | Publish the quantitative report of each features usability | 1 day | Tue 11/22/16 | Tue 11/22/16 | | | | | | | | |
| 1.3.5.5.4 | Analyze and generate ideas to improve each features | 1 day | Wed 11/23/16 | Wed 11/23/16 | | | | | | | | |
| 1.3.5.5.5 | Repeat the statistical report and track each features usability. | 2 days | Wed 11/23/16 | Thu 11/24/16 | | | | | | | | |
| **1.4** | **Build the back-end** | **40 days** | **Mon 9/26/16** | **Fri 11/4/16** | | | | | | | | |
| **1.4.1** | **Requirement Collection and Analysis** | **10 days** | **Mon 9/26/16** | **Wed 10/5/16** | | | | | | | | |
| **1.4.1.1** | **End User Survey** | **1 day** | **Mon 9/26/16** | **Mon 9/26/16** | | | | | | | | |
| 1.4.1.1.1 | Create a survey | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| 1.4.1.1.2 | Share it through mail | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| 1.4.1.1.3 | Share it through meetings | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| 1.4.1.1.4 | Collect the results | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| 1.4.1.1.5 | Analyze the results | 1 day | Mon 9/26/16 | Mon 9/26/16 | | | | | | | | |
| **1.4.1.2** | **Brainstorming** | **1 day** | **Tue 9/27/16** | **Tue 9/27/16** | | | | | | | | |
| 1.4.1.2.1 | Brainstorm the possible test cases | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.4.1.2.2 | Discuss within team | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.4.1.2.3 | Discuss with clients | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.4.1.2.4 | Review the analysis | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| 1.4.1.2.5 | Share the results | 1 day | Tue 9/27/16 | Tue 9/27/16 | | | | | | | | |
| **1.4.1.3** | **Create a data Model** | **2 days** | **Wed 9/28/16** | **Thu 9/29/16** | | | | | | | | |
| 1.4.1.3.1 | Arrange meeting | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.4.1.3.2 | List the requirement | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.4.1.3.3 | List the functionalities | 1 day | Wed 9/28/16 | Wed 9/28/16 | | | | | | | | |
| 1.4.1.3.4 | Draft a data model plan | 2 days | Wed 9/28/16 | Thu 9/29/16 | | | | | | | | |
| 1.4.1.3.5 | Load data | 2 days | Wed 9/28/16 | Thu 9/29/16 | | | | | | | | |
| **1.4.1.4** | **Analyze the results** | **3 days** | **Fri 9/30/16** | **Sun 10/2/16** | | | | | | | | |
| 1.4.1.4.1 | Classify the results | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.4.1.4.2 | Data cleanup | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.4.1.4.3 | Prioritize the data | 1 day | Fri 9/30/16 | Fri 9/30/16 | | | | | | | | |
| 1.4.1.4.4 | Analyze the data | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.4.1.4.5 | Create document and share the results | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| **1.4.1.5** | **Documentation** | **3 days** | **Mon 10/3/16** | **Wed 10/5/16** | | | | | | | | |
| 1.4.1.5.1 | Document the requirement | 3 days | Mon 10/3/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.1.5.2 | Document the work needed | 3 days | Mon 10/3/16 | Wed 10/5/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | September Sep | October Oct | November Nov | December Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.4.1.5.3 | Discuss within the team for feasibility analysis | 3 days | Mon 10/3/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.1.5.4 | Take notes | 3 days | Mon 10/3/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.1.5.5 | Iterative above steps | 3 days | Mon 10/3/16 | Wed 10/5/16 | | | | | | | | |
| **1.4.2** | **Determine Technology stack** | **5 days** | **Sat 10/1/16** | **Wed 10/5/16** | | | | | | | | |
| **1.4.2.1** | **Find out the softwares needed** | **1 day** | **Sat 10/1/16** | **Sat 10/1/16** | | | | | | | | |
| 1.4.2.1.1 | List out the requirements | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.4.2.1.2 | Analyse the results | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.4.2.1.3 | Prioritize the softwares available | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.4.2.1.4 | Analyse the team strengths | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| 1.4.2.1.5 | Finalize the software | 1 day | Sat 10/1/16 | Sat 10/1/16 | | | | | | | | |
| **1.4.2.2** | **Find out the software vendor details** | **1 day** | **Sun 10/2/16** | **Sun 10/2/16** | | | | | | | | |
| 1.4.2.2.1 | Analyze the market | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| 1.4.2.2.2 | Get their contact details | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| 1.4.2.2.3 | Find out the best deals | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| 1.4.2.2.4 | Confirm the order | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| 1.4.2.2.5 | Sign the document | 1 day | Sun 10/2/16 | Sun 10/2/16 | | | | | | | | |
| **1.4.2.3** | **Monitor the process** | **1 day** | **Mon 10/3/16** | **Mon 10/3/16** | | | | | | | | |
| 1.4.2.3.1 | Get the list of softwares | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.4.2.3.2 | Track the items | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.4.2.3.3 | Confirm with the vendor | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.4.2.3.4 | Ensure the quality of the process | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| 1.4.2.3.5 | Discuss within the team | 1 day | Mon 10/3/16 | Mon 10/3/16 | | | | | | | | |
| **1.4.2.4** | **Define and document Priorities** | **1 day** | **Tue 10/4/16** | **Tue 10/4/16** | | | | | | | | |
| 1.4.2.4.1 | Analyse the priorities | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.4.2.4.2 | Discuss within team | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.4.2.4.3 | Discuss with clients | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.4.2.4.4 | Finalize the priorities | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| 1.4.2.4.5 | Document the list | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| **1.4.2.5** | **Future Enhancements** | **1 day** | **Wed 10/5/16** | **Wed 10/5/16** | | | | | | | | |
| 1.4.2.5.1 | Check the available hardware and software | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.2.5.2 | Analyze the technical scope for improvement | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.2.5.3 | Analyse the future enhancements | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.2.5.4 | Shortlist the hardware and software based on the results | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |
| 1.4.2.5.5 | Finalize the technology stack | 1 day | Wed 10/5/16 | Wed 10/5/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | September Sep | October Oct | November Nov | December Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.4.3 | **E-R Diagram & Data Integration Analysis** | **10 days** | **Thu 10/6/16** | **Sat 10/15/16** | | | | ▬▬ | | | | |
| 1.4.3.1 | **Analyze the requirements document** | **2 days** | **Thu 10/6/16** | **Fri 10/7/16** | | | | ▮ | | | | |
| 1.4.3.1.1 | Arrange meeting with stakeholders | 1 day | Thu 10/6/16 | Thu 10/6/16 | | | | ▮ | | | | |
| 1.4.3.1.2 | Understand the business functionality | 1 day | Thu 10/6/16 | Thu 10/6/16 | | | | ▮ | | | | |
| 1.4.3.1.3 | Understand the user functionality | 1 day | Thu 10/6/16 | Thu 10/6/16 | | | | ▮ | | | | |
| 1.4.3.1.4 | Analyze the use of data | 1 day | Fri 10/7/16 | Fri 10/7/16 | | | | ▮ | | | | |
| 1.4.3.1.5 | Create a draft | 1 day | Fri 10/7/16 | Fri 10/7/16 | | | | ▮ | | | | |
| 1.4.3.2 | **Create a basic data set** | **1 day** | **Sat 10/8/16** | **Sat 10/8/16** | | | | ▮ | | | | |
| 1.4.3.2.1 | Categorize the data set | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | ▮ | | | | |
| 1.4.3.2.2 | Share information on types of data | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | ▮ | | | | |
| 1.4.3.2.3 | Suggest a model based on data set | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | ▮ | | | | |
| 1.4.3.2.4 | Identify ambiguity if any | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | ▮ | | | | |
| 1.4.3.2.5 | Analyze the feasibility of the data set | 1 day | Sat 10/8/16 | Sat 10/8/16 | | | | ▮ | | | | |
| 1.4.3.3 | **Discuss about Entities and relationship and priorities** | **2 days** | **Sun 10/9/16** | **Mon 10/10/16** | | | | ▮ | | | | |
| 1.4.3.3.1 | Find out the things for which data needs to stored | 2 days | Sun 10/9/16 | Mon 10/10/16 | | | | ▮▮ | | | | |
| 1.4.3.3.2 | Analyse the qualities of these data | 2 days | Sun 10/9/16 | Mon 10/10/16 | | | | ▮▮ | | | | |
| 1.4.3.3.3 | Analyze the relationships between entities | 2 days | Sun 10/9/16 | Mon 10/10/16 | | | | ▮▮ | | | | |
| 1.4.3.3.4 | Discuss within team | 2 days | Sun 10/9/16 | Mon 10/10/16 | | | | ▮▮ | | | | |
| 1.4.3.3.5 | Discuss with clients | 2 days | Sun 10/9/16 | Mon 10/10/16 | | | | ▮▮ | | | | |
| 1.4.3.4 | **Review Model and Data Flow** | **2 days** | **Tue 10/11/16** | **Wed 10/12/16** | | | | ▮ | | | | |
| 1.4.3.4.1 | Analyse the model we have using the above details | 2 days | Tue 10/11/16 | Wed 10/12/16 | | | | ▮▮ | | | | |
| 1.4.3.4.2 | Analyze the data flow | 2 days | Tue 10/11/16 | Wed 10/12/16 | | | | ▮▮ | | | | |
| 1.4.3.4.3 | Analyze the process flow | 2 days | Tue 10/11/16 | Wed 10/12/16 | | | | ▮▮ | | | | |
| 1.4.3.4.4 | Identify the connectors | 2 days | Tue 10/11/16 | Wed 10/12/16 | | | | ▮▮ | | | | |
| 1.4.3.4.5 | Share it to the management | 1 day | Wed 10/12/16 | Wed 10/12/16 | | | | ▮ | | | | |
| 1.4.3.5 | **Model the Diagram** | **3 days** | **Thu 10/13/16** | **Sat 10/15/16** | | | | ▮ | | | | |
| 1.4.3.5.1 | List out the entities | 3 days | Thu 10/13/16 | Sat 10/15/16 | | | | ▮▮ | | | | |
| 1.4.3.5.2 | List out the relationships | 3 days | Thu 10/13/16 | Sat 10/15/16 | | | | ▮▮ | | | | |
| 1.4.3.5.3 | List out the keys | 3 days | Thu 10/13/16 | Sat 10/15/16 | | | | ▮▮ | | | | |
| 1.4.3.5.4 | List out the cardinalities | 3 days | Thu 10/13/16 | Sat 10/15/16 | | | | ▮▮ | | | | |
| 1.4.3.5.5 | Draw the E-R Diagram | 1 day | Sat 10/15/16 | Sat 10/15/16 | | | | ▮ | | | | |
| 1.4.4 | **Create Database** | **15 days** | **Sun 10/16/16** | **Sun 10/30/16** | | | | ▬▬ | | | | |
| 1.4.4.1 | **Create Tables** | **3 days** | **Sun 10/16/16** | **Tue 10/18/16** | | | | ▮ | | | | |
| 1.4.4.1.1 | Write the script | 3 days | Sun 10/16/16 | Tue 10/18/16 | | | | ▮▮ | | | | |

| WBS | Task Name | Duration | Start | Finish | July | August | Septemb | October | Novembe | Decembe | January | February |
|-----|-----------|----------|-------|--------|------|--------|---------|---------|---------|---------|---------|----------|
| | | | | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
| 1.4.4.1.2 | Analyze the table structure | 3 days | Sun 10/16/16 | Tue 10/18/16 | | | | | | | | |
| 1.4.4.1.3 | Analyze the data types used | 3 days | Sun 10/16/16 | Tue 10/18/16 | | | | | | | | |
| 1.4.4.1.4 | Select unique names for tables | 3 days | Sun 10/16/16 | Tue 10/18/16 | | | | | | | | |
| 1.4.4.1.5 | Execute the script | 1 day | Tue 10/18/16 | Tue 10/18/16 | | | | | | | | |
| **1.4.4.2** | **Create Data** | **4 days** | **Wed 10/19/16** | **Sat 10/22/16** | | | | | | | | |
| 1.4.4.2.1 | Discuss with the business | 2 days | Wed 10/19/16 | Thu 10/20/16 | | | | | | | | |
| 1.4.4.2.2 | Identify the frequency of data backup | 2 days | Wed 10/19/16 | Thu 10/20/16 | | | | | | | | |
| 1.4.4.2.3 | Create sample data | 2 days | Wed 10/19/16 | Thu 10/20/16 | | | | | | | | |
| 1.4.4.2.4 | Segregate the data set | 2 days | Fri 10/21/16 | Sat 10/22/16 | | | | | | | | |
| 1.4.4.2.5 | Write the data creation script | 2 days | Fri 10/21/16 | Sat 10/22/16 | | | | | | | | |
| **1.4.4.3** | **Analyze the Data Structure** | **2 days** | **Sun 10/23/16** | **Mon 10/24/16** | | | | | | | | |
| 1.4.4.3.1 | Form logical view of data | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.4.3.2 | Review the relationships | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.4.3.3 | Discuss with the business users | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.4.3.4 | Get Feedback | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.4.3.5 | Finalize the data structure | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| **1.4.4.4** | **Creating the Database** | **2 days** | **Tue 10/25/16** | **Wed 10/26/16** | | | | | | | | |
| 1.4.4.4.1 | Merge all the sql scripts together | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.4.4.2 | Set the environment | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.4.4.3 | Execute the scripts | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.4.4.4 | Create users and provide access to DB | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.4.4.5 | Backup the code | 1 day | Wed 10/26/16 | Wed 10/26/16 | | | | | | | | |
| **1.4.4.5** | **Backup and do security Check** | **4 days** | **Thu 10/27/16** | **Sun 10/30/16** | | | | | | | | |
| 1.4.4.5.1 | Identify critical functionalities/code | 4 days | Thu 10/27/16 | Sun 10/30/16 | | | | | | | | |
| 1.4.4.5.2 | Prioritize these data | 4 days | Thu 10/27/16 | Sun 10/30/16 | | | | | | | | |
| 1.4.4.5.3 | Identify the frequency at which data is been backed up | 4 days | Thu 10/27/16 | Sun 10/30/16 | | | | | | | | |
| 1.4.4.5.4 | Store data in secure place | 4 days | Thu 10/27/16 | Sun 10/30/16 | | | | | | | | |
| 1.4.4.5.5 | Incase of changes discuss with management | 4 days | Thu 10/27/16 | Sun 10/30/16 | | | | | | | | |
| **1.4.5** | **Conduct Risk Analysis and Performance Check** | **15 days** | **Fri 10/21/16** | **Fri 11/4/16** | | | | | | | | |
| **1.4.5.1** | **Hire and orient Backup Developers** | **2 days** | **Fri 10/21/16** | **Sat 10/22/16** | | | | | | | | |
| 1.4.5.1.1 | Advertise Job Listings | 1 day | Fri 10/21/16 | Fri 10/21/16 | | | | | | | | |
| 1.4.5.1.2 | Select candidate Applications | 1 day | Fri 10/21/16 | Fri 10/21/16 | | | | | | | | |
| 1.4.5.1.3 | conduct Interviews | 1 day | Fri 10/21/16 | Fri 10/21/16 | | | | | | | | |
| 1.4.5.1.4 | Select the candidates | 1 day | Fri 10/21/16 | Fri 10/21/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novemb Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.4.5.1.5 | Orient them with the current progress of the project | 1 day | Sat 10/22/16 | Sat 10/22/16 | | | | | | | | |
| **1.4.5.2** | **Risk register** | **2 days** | **Sun 10/23/16** | **Mon 10/24/16** | | | | | | | | |
| 1.4.5.2.1 | Create risk register template | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.5.2.2 | Develop protocol for adding items to the register | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.5.2.3 | Develop protocol for when to implement risk strategy | 2 days | Sun 10/23/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.5.2.4 | Document each risk & characteristics | 1 day | Mon 10/24/16 | Mon 10/24/16 | | | | | | | | |
| 1.4.5.2.5 | Publish risk register & protocols | 1 day | Mon 10/24/16 | Mon 10/24/16 | | | | | | | | |
| **1.4.5.3** | **Build risk breakdown structure** | **3 days** | **Tue 10/25/16** | **Thu 10/27/16** | | | | | | | | |
| 1.4.5.3.1 | Identify risks | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.5.3.2 | categorize the risks & link each to the affected project area | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.5.3.3 | Rank the risks | 2 days | Tue 10/25/16 | Wed 10/26/16 | | | | | | | | |
| 1.4.5.3.4 | Document the risks in heiarchical fashion | 1 day | Thu 10/27/16 | Thu 10/27/16 | | | | | | | | |
| 1.4.5.3.5 | discuss risks with project team and stakeholders | 1 day | Thu 10/27/16 | Thu 10/27/16 | | | | | | | | |
| **1.4.5.4** | **Conduct risk analysis** | **3 days** | **Fri 10/28/16** | **Sun 10/30/16** | | | | | | | | |
| 1.4.5.4.1 | determine likelihood of each risk occuring | 1 day | Fri 10/28/16 | Fri 10/28/16 | | | | | | | | |
| 1.4.5.4.2 | determine impact of each risk | 1 day | Fri 10/28/16 | Fri 10/28/16 | | | | | | | | |
| 1.4.5.4.3 | create risk matrix combining likelihood and impact information | 1 day | Fri 10/28/16 | Fri 10/28/16 | | | | | | | | |
| 1.4.5.4.4 | develop management strategies for risks with the highest likelihood and greatest impact | 1 day | Sat 10/29/16 | Sat 10/29/16 | | | | | | | | |
| 1.4.5.4.5 | calculate expected monetary value | 1 day | Sun 10/30/16 | Sun 10/30/16 | | | | | | | | |
| **1.4.5.5** | **Review Database Performance** | **5 days** | **Mon 10/31/16** | **Fri 11/4/16** | | | | | | | | |
| 1.4.5.5.1 | Make the draft version of reports for review | 1 day | Mon 10/31/16 | Mon 10/31/16 | | | | | | | | |
| 1.4.5.5.2 | Create a check list of features to be verified | 1 day | Mon 10/31/16 | Mon 10/31/16 | | | | | | | | |
| 1.4.5.5.3 | Arrange meeting with expert database designers and senior management | 1 day | Tue 11/1/16 | Tue 11/1/16 | | | | | | | | |
| 1.4.5.5.4 | Analysis of the results | 2 days | Wed 11/2/16 | Thu 11/3/16 | | | | | | | | |
| 1.4.5.5.5 | Accept the Performance if 95% positive response | 1 day | Tue 10/4/16 | Tue 10/4/16 | | | | | | | | |
| **1.5** | **Conduct Rollout** | **55 days** | **Fri 11/25/16** | **Wed 1/18/17** | | | | | | | | |
| **1.5.1** | **Demo the website** | **15 days** | **Fri 11/25/16** | **Fri 12/9/16** | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July / Jul | August / Aug | September / Sep | October / Oct | November / Nov | December / Dec | January / Jan | February / Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.5.1.1** | **Create Prototype** | **3 days** | **Fri 11/25/16** | **Sun 11/27/16** | | | | | | | | |
| 1.5.1.1.1 | Create a draft Model | 1 day | Fri 11/25/16 | Fri 11/25/16 | | | | | | | | |
| 1.5.1.1.2 | Get feedback from team | 1 day | Sat 11/26/16 | Sat 11/26/16 | | | | | | | | |
| 1.5.1.1.3 | Get feedback from stakeholders | 1 day | Sat 11/26/16 | Sat 11/26/16 | | | | | | | | |
| 1.5.1.1.4 | Improvise based on feedback | 1 day | Sun 11/27/16 | Sun 11/27/16 | | | | | | | | |
| 1.5.1.1.5 | Finalize the prototype | 1 day | Sun 11/27/16 | Sun 11/27/16 | | | | | | | | |
| **1.5.1.2** | **Integration Work** | **5 days** | **Mon 11/28/16** | **Fri 12/2/16** | | | | | | | | |
| 1.5.1.2.1 | Select the tools | 1 day | Mon 11/28/16 | Mon 11/28/16 | | | | | | | | |
| 1.5.1.2.2 | Discuss among teams | 1 day | Mon 11/28/16 | Mon 11/28/16 | | | | | | | | |
| 1.5.1.2.3 | Check the feasibility of tools | 2 days | Tue 11/29/16 | Wed 11/30/16 | | | | | | | | |
| 1.5.1.2.4 | Get feedback from vendor and clients | 1 day | Thu 12/1/16 | Thu 12/1/16 | | | | | | | | |
| 1.5.1.2.5 | Send notification to concerned about the results | 1 day | Fri 12/2/16 | Fri 12/2/16 | | | | | | | | |
| **1.5.1.3** | **Validation** | **3 days** | **Sat 12/3/16** | **Mon 12/5/16** | | | | | | | | |
| 1.5.1.3.1 | Validate each functionality | 1 day | Sat 12/3/16 | Sat 12/3/16 | | | | | | | | |
| 1.5.1.3.2 | Verify each module | 1 day | Sat 12/3/16 | Sat 12/3/16 | | | | | | | | |
| 1.5.1.3.3 | Get feedbacks | 1 day | Sun 12/4/16 | Sun 12/4/16 | | | | | | | | |
| 1.5.1.3.4 | Make changes if needed | 1 day | Sun 12/4/16 | Sun 12/4/16 | | | | | | | | |
| 1.5.1.3.5 | Take backup of the code | 1 day | Mon 12/5/16 | Mon 12/5/16 | | | | | | | | |
| **1.5.1.4** | **Documentation** | **2 days** | **Tue 12/6/16** | **Wed 12/7/16** | | | | | | | | |
| 1.5.1.4.1 | Gather data | 1 day | Tue 12/6/16 | Tue 12/6/16 | | | | | | | | |
| 1.5.1.4.2 | Create draft | 1 day | Tue 12/6/16 | Tue 12/6/16 | | | | | | | | |
| 1.5.1.4.3 | Proof Reading | 1 day | Tue 12/6/16 | Tue 12/6/16 | | | | | | | | |
| 1.5.1.4.4 | Brainstorming | 1 day | Wed 12/7/16 | Wed 12/7/16 | | | | | | | | |
| 1.5.1.4.5 | Finalize the document | 1 day | Wed 12/7/16 | Wed 12/7/16 | | | | | | | | |
| **1.5.1.5** | **Implementation** | **2 days** | **Thu 12/8/16** | **Fri 12/9/16** | | | | | | | | |
| 1.5.1.5.1 | Educate the team with the specifics | 1 day | Thu 12/8/16 | Thu 12/8/16 | | | | | | | | |
| 1.5.1.5.2 | Share final prototype | 1 day | Thu 12/8/16 | Thu 12/8/16 | | | | | | | | |
| 1.5.1.5.3 | Check the functionalities | 1 day | Fri 12/9/16 | Fri 12/9/16 | | | | | | | | |
| 1.5.1.5.4 | Evaluate the work flow | 1 day | Fri 12/9/16 | Fri 12/9/16 | | | | | | | | |
| 1.5.1.5.5 | Make changes if needed | 1 day | Fri 12/9/16 | Fri 12/9/16 | | | | | | | | |
| **1.5.2** | **Train Users** | **30 days** | **Sat 12/10/16** | **Sun 1/8/17** | | | | | | | | |
| **1.5.2.1** | **Determine training goals** | **4 days** | **Sat 12/10/16** | **Tue 12/13/16** | | | | | | | | |
| 1.5.2.1.1 | Send an email invite to the stake holders, marketers. | 1 day | Sat 12/10/16 | Sat 12/10/16 | | | | | | | | |
| 1.5.2.1.2 | Discuss about the features in the website. | 1 day | Sun 12/11/16 | Sun 12/11/16 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5.2.1.3 | Discuss about the benefits of providing training. | 1 day | Sun 12/11/16 | Sun 12/11/16 | | | | | | | | |
| 1.5.2.1.4 | Discuss about the end-user needs. | 1 day | Mon 12/12/16 | Mon 12/12/16 | | | | | | | | |
| 1.5.2.1.5 | Document the training goals. | 1 day | Tue 12/13/16 | Tue 12/13/16 | | | | | | | | |
| **1.5.2.2** | **Assess basic knowledge of end-user** | **7 days** | **Wed 12/14/16** | **Tue 12/20/16** | | | | | | | | |
| 1.5.2.2.1 | Determine type of end-user | 1 day | Wed 12/14/16 | Wed 12/14/16 | | | | | | | | |
| 1.5.2.2.2 | Gather questions to assess end-user skills | 2 days | Thu 12/15/16 | Fri 12/16/16 | | | | | | | | |
| 1.5.2.2.3 | Invite end-users to answer questions online. | 1 day | Sat 12/17/16 | Sat 12/17/16 | | | | | | | | |
| 1.5.2.2.4 | Distribute questionnaire paper to end-users. | 2 days | Sun 12/18/16 | Mon 12/19/16 | | | | | | | | |
| 1.5.2.2.5 | Assess the skill level of user | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| **1.5.2.3** | **Conduct workshops** | **7 days** | **Wed 12/21/16** | **Tue 12/27/16** | | | | | | | | |
| 1.5.2.3.1 | Gather volunteers to conduct workshops | 1 day | Wed 12/21/16 | Wed 12/21/16 | | | | | | | | |
| 1.5.2.3.2 | Gather the necessary training equipment | 1 day | Thu 12/22/16 | Thu 12/22/16 | | | | | | | | |
| 1.5.2.3.3 | Invite the end-users to participate | 1 day | Fri 12/23/16 | Fri 12/23/16 | | | | | | | | |
| 1.5.2.3.4 | Train end-users based on training objective document. | 3 days | Sat 12/24/16 | Mon 12/26/16 | | | | | | | | |
| 1.5.2.3.5 | Get feedback from the participants. | 1 day | Tue 12/27/16 | Tue 12/27/16 | | | | | | | | |
| **1.5.2.4** | **Conduct online tutorials** | **7 days** | **Wed 12/28/16** | **Tue 1/3/17** | | | | | | | | |
| 1.5.2.4.1 | Access training objective document | 1 day | Wed 12/28/16 | Wed 12/28/16 | | | | | | | | |
| 1.5.2.4.2 | Prepare tutorial content based on training objective. | 2 days | Thu 12/29/16 | Fri 12/30/16 | | | | | | | | |
| 1.5.2.4.3 | Gather trained volunteers to do online tutorials. | 2 days | Sat 12/31/16 | Sun 1/1/17 | | | | | | | | |
| 1.5.2.4.4 | Invite the end-users to participate. | 1 day | Mon 1/2/17 | Mon 1/2/17 | | | | | | | | |
| 1.5.2.4.5 | Get feedback from the participants. | 1 day | Tue 1/3/17 | Tue 1/3/17 | | | | | | | | |
| **1.5.2.5** | **Making training program scalable** | **5 days** | **Wed 1/4/17** | **Sun 1/8/17** | | | | | | | | |
| 1.5.2.5.1 | Determine number of participants in each training session | 1 day | Wed 1/4/17 | Wed 1/4/17 | | | | | | | | |
| 1.5.2.5.2 | Forecast number of end-users | 1 day | Thu 1/5/17 | Thu 1/5/17 | | | | | | | | |
| 1.5.2.5.3 | Determine required resources for upcoming training sessions. | 2 days | Fri 1/6/17 | Sat 1/7/17 | | | | | | | | |
| 1.5.2.5.4 | Determine the rollout of a next website feature. | 1 day | Sun 1/8/17 | Sun 1/8/17 | | | | | | | | |
| 1.5.2.5.5 | Arrange the changes for the upcoming training session. | 1 day | Sun 1/8/17 | Sun 1/8/17 | | | | | | | | |
| **1.5.3** | **Marketing the website** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |
| **1.5.3.1** | **Optimize the content for search engines** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novembe Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5.3.1.1 | Get the list of possible keywords on the search engines. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.1.2 | Arrange a meeting among Marketers and Developers. | 2 days | Sat 12/10/16 | Sun 12/11/16 | | | | | | | | |
| 1.5.3.1.3 | Code keyword rich page title. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.1.4 | Optimize video, image and audio content for search engines. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.1.5 | Create a sitemap to search engines | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| **1.5.3.2** | **Increase number of incoming links to the website** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |
| 1.5.3.2.1 | Link the website to key directories | 5 days | Sat 12/10/16 | Wed 12/14/16 | | | | | | | | |
| 1.5.3.2.2 | Link the website to related education directories. | 5 days | Sat 12/10/16 | Wed 12/14/16 | | | | | | | | |
| 1.5.3.2.3 | Provide two way links with other websites. | 5 days | Sat 12/10/16 | Wed 12/14/16 | | | | | | | | |
| 1.5.3.2.4 | Promote the website links through article marketing site. | 35 days | Thu 12/15/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.2.5 | Link popular news events related to education industry. | 35 days | Thu 12/15/16 | Wed 1/18/17 | | | | | | | | |
| **1.5.3.3** | **Promote through social media** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |
| 1.5.3.3.1 | Become a member in Facebook, LinkedIn | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.3.2 | Share the events periodically in social network. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.3.3 | Connect users in social network. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.3.4 | Promote the website in online forums | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.3.5 | Promote the website through social tools. | 40 days | Sat 12/10/16 | Wed 1/18/17 | | | | | | | | |
| **1.5.3.4** | **Follow traditional strategies** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |
| 1.5.3.4.1 | Design a poster for the website | 15 days | Sat 12/10/16 | Sat 12/24/16 | | | | | | | | |
| 1.5.3.4.2 | Find out places for posting flyers. | 5 days | Sun 12/25/16 | Thu 12/29/16 | | | | | | | | |
| 1.5.3.4.3 | Understand posting policies of university. | 5 days | Fri 12/30/16 | Tue 1/3/17 | | | | | | | | |
| 1.5.3.4.4 | Get the formal acceptance from the university | 5 days | Wed 1/4/17 | Sun 1/8/17 | | | | | | | | |
| 1.5.3.4.5 | Gather volunteers for posting flyers. | 10 days | Mon 1/9/17 | Wed 1/18/17 | | | | | | | | |
| **1.5.3.5** | **Advertise the website** | **40 days** | **Sat 12/10/16** | **Wed 1/18/17** | | | | | | | | |
| 1.5.3.5.1 | Get the end-users email id. | 5 days | Sat 12/10/16 | Wed 12/14/16 | | | | | | | | |
| 1.5.3.5.2 | Draft the website content | 10 days | Sat 12/10/16 | Mon 12/19/16 | | | | | | | | |
| 1.5.3.5.3 | Send about website details through email | 5 days | Thu 12/15/16 | Mon 12/19/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novemb Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5.3.5.4 | Advertise the website in other educational sites. | 30 days | Tue 12/20/16 | Wed 1/18/17 | | | | | | | | |
| 1.5.3.5.5 | Purchase pay per click ads. | 10 days | Mon 1/9/17 | Wed 1/18/17 | | | | | | | | |
| **1.5.4** | **Build Maintenance Model** | **10 days** | **Tue 12/20/16** | **Thu 12/29/16** | | | | | | | | |
| **1.5.4.1** | **Set up Meeting schedule** | **1 day** | **Tue 12/20/16** | **Tue 12/20/16** | | | | | | | | |
| 1.5.4.1.1 | Get the contact details | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| 1.5.4.1.2 | List out the requirements | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| 1.5.4.1.3 | Set the Maintenance plan | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| 1.5.4.1.4 | Contact them | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| 1.5.4.1.5 | Finalize the schedule | 1 day | Tue 12/20/16 | Tue 12/20/16 | | | | | | | | |
| **1.5.4.2** | **Prepare the team for downtime** | **3 days** | **Wed 12/21/16** | **Fri 12/23/16** | | | | | | | | |
| 1.5.4.2.1 | Set up meeting | 1 day | Wed 12/21/16 | Wed 12/21/16 | | | | | | | | |
| 1.5.4.2.2 | Arrange Knowledge Transfer sessions | 2 days | Wed 12/21/16 | Thu 12/22/16 | | | | | | | | |
| 1.5.4.2.3 | Elect team head from each areas of concern | 1 day | Wed 12/21/16 | Wed 12/21/16 | | | | | | | | |
| 1.5.4.2.4 | Create documents for reference | 1 day | Thu 12/22/16 | Thu 12/22/16 | | | | | | | | |
| 1.5.4.2.5 | Do trial run before go-live. | 1 day | Fri 12/23/16 | Fri 12/23/16 | | | | | | | | |
| **1.5.4.3** | **Arrange support** | **2 days** | **Sat 12/24/16** | **Sun 12/25/16** | | | | | | | | |
| 1.5.4.3.1 | Brief the team about the app | 2 days | Sat 12/24/16 | Sun 12/25/16 | | | | | | | | |
| 1.5.4.3.2 | Divide the team based on interests | 2 days | Sat 12/24/16 | Sun 12/25/16 | | | | | | | | |
| 1.5.4.3.3 | Share Emergency point of contact details | 2 days | Sat 12/24/16 | Sun 12/25/16 | | | | | | | | |
| 1.5.4.3.4 | Send notifications via mail to the concerned teams | 2 days | Sat 12/24/16 | Sun 12/25/16 | | | | | | | | |
| 1.5.4.3.5 | Send resolution feedback notifications | 2 days | Sat 12/24/16 | Sun 12/25/16 | | | | | | | | |
| **1.5.4.4** | **Create Teams** | **1 day** | **Mon 12/26/16** | **Mon 12/26/16** | | | | | | | | |
| 1.5.4.4.1 | Get the skill set | 1 day | Mon 12/26/16 | Mon 12/26/16 | | | | | | | | |
| 1.5.4.4.2 | Analyse their interests | 1 day | Mon 12/26/16 | Mon 12/26/16 | | | | | | | | |
| 1.5.4.4.3 | Form the team | 1 day | Mon 12/26/16 | Mon 12/26/16 | | | | | | | | |
| 1.5.4.4.4 | Assign tasks to each team | 1 day | Mon 12/26/16 | Mon 12/26/16 | | | | | | | | |
| 1.5.4.4.5 | Assign team leader for each team | 1 day | Mon 12/26/16 | Mon 12/26/16 | | | | | | | | |
| **1.5.4.5** | **Report Issues** | **3 days** | **Tue 12/27/16** | **Thu 12/29/16** | | | | | | | | |
| 1.5.4.5.1 | Analyse the issues | 2 days | Tue 12/27/16 | Wed 12/28/16 | | | | | | | | |
| 1.5.4.5.2 | Redirect to right team | 2 days | Tue 12/27/16 | Wed 12/28/16 | | | | | | | | |
| 1.5.4.5.3 | Analyse the severity | 2 days | Tue 12/27/16 | Wed 12/28/16 | | | | | | | | |
| 1.5.4.5.4 | Redirect to appropriate escalation points based on severity | 2 days | Tue 12/27/16 | Wed 12/28/16 | | | | | | | | |
| 1.5.4.5.5 | Report to the users/clients with proper ETA/ resolution | 1 day | Thu 12/29/16 | Thu 12/29/16 | | | | | | | | |

| WBS | Task Name | Duration | Start | Finish | July Jul | August Aug | Septemb Sep | October Oct | Novembe Nov | Decembe Dec | January Jan | February Feb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.5.5 | **Perform Testing** | **20 days** | **Fri 12/30/16** | **Wed 1/18/17** | | | | | | | | |
| 1.5.5.1 | **Implement Time Constraint Strategies** | **3 days** | **Fri 12/30/16** | **Sun 1/1/17** | | | | | | | | |
| 1.5.5.1.1 | Consider alternatives to Project Components | 2 days | Fri 12/30/16 | Sat 12/31/16 | | | | | | | | |
| 1.5.5.1.2 | Calculate critical path | 2 days | Fri 12/30/16 | Sat 12/31/16 | | | | | | | | |
| 1.5.5.1.3 | Determine resource constraints | 2 days | Fri 12/30/16 | Sat 12/31/16 | | | | | | | | |
| 1.5.5.1.4 | Calculate total float and free float | 2 days | Sat 12/31/16 | Sun 1/1/17 | | | | | | | | |
| 1.5.5.1.5 | Encorporate Critical chain method | 2 days | Sat 12/31/16 | Sun 1/1/17 | | | | | | | | |
| 1.5.5.2 | **Functionality Testing** | **4 days** | **Mon 1/2/17** | **Thu 1/5/17** | | | | | | | | |
| 1.5.5.2.1 | Verify all the links | 2 days | Mon 1/2/17 | Tue 1/3/17 | | | | | | | | |
| 1.5.5.2.2 | Test Navigation | 2 days | Mon 1/2/17 | Tue 1/3/17 | | | | | | | | |
| 1.5.5.2.3 | Cookies testing | 2 days | Mon 1/2/17 | Tue 1/3/17 | | | | | | | | |
| 1.5.5.2.4 | Validate HTML/CSS | 2 days | Mon 1/2/17 | Tue 1/3/17 | | | | | | | | |
| 1.5.5.2.5 | Check for data Integrity and Errors | 2 days | Wed 1/4/17 | Thu 1/5/17 | | | | | | | | |
| 1.5.5.3 | **Compatibility and Performance Testing** | **4 days** | **Fri 1/6/17** | **Mon 1/9/17** | | | | | | | | |
| 1.5.5.3.1 | Verify browser compatibility | 2 days | Fri 1/6/17 | Sat 1/7/17 | | | | | | | | |
| 1.5.5.3.2 | Verify OS compatibility | 2 days | Fri 1/6/17 | Sat 1/7/17 | | | | | | | | |
| 1.5.5.3.3 | Verify Mobile/Tablet browsing | 2 days | Fri 1/6/17 | Sat 1/7/17 | | | | | | | | |
| 1.5.5.3.4 | Perform Web load testing | 2 days | Sun 1/8/17 | Mon 1/9/17 | | | | | | | | |
| 1.5.5.3.5 | Perform Stress testing | 2 days | Sun 1/8/17 | Mon 1/9/17 | | | | | | | | |
| 1.5.5.4 | **Analyze test results** | **5 days** | **Tue 1/10/17** | **Sat 1/14/17** | | | | | | | | |
| 1.5.5.4.1 | Identify Failure Types | 2 days | Tue 1/10/17 | Wed 1/11/17 | | | | | | | | |
| 1.5.5.4.2 | Prioritize Failures | 2 days | Tue 1/10/17 | Wed 1/11/17 | | | | | | | | |
| 1.5.5.4.3 | Identify resolution for failures | 3 days | Thu 1/12/17 | Sat 1/14/17 | | | | | | | | |
| 1.5.5.4.4 | Assign team to fix the failures | 3 days | Thu 1/12/17 | Sat 1/14/17 | | | | | | | | |
| 1.5.5.4.5 | Retest the scenarios | 3 days | Thu 1/12/17 | Sat 1/14/17 | | | | | | | | |
| 1.5.5.5 | **Acceptability Testing** | **4 days** | **Sun 1/15/17** | **Wed 1/18/17** | | | | | | | | |
| 1.5.5.5.1 | Make test environment available to all stakeholders | 2 days | Sun 1/15/17 | Mon 1/16/17 | | | | | | | | |
| 1.5.5.5.2 | Gather feedback and survey from stakeholders | 2 days | Sun 1/15/17 | Mon 1/16/17 | | | | | | | | |
| 1.5.5.5.3 | Identify the high priority bugs | 2 days | Sun 1/15/17 | Mon 1/16/17 | | | | | | | | |
| 1.5.5.5.4 | Fix the bugs | 2 days | Tue 1/17/17 | Wed 1/18/17 | | | | | | | | |
| 1.5.5.5.5 | Submit for acceptability testing | 2 days | Tue 1/17/17 | Wed 1/18/17 | | | | | | | | 1/18 |