**International School**

**Capstone Project 2**

CMU-SE 451

**Sprint Backlog**

**Version 1.1**

**Date: 22nd May, 2021**

**Food Care**

**Submitted by**

Huynh Dac Vinh  
 Tran Quoc Trung

Ton That Minh Huy

Dang Van Duan

**Approved by**

**Proposal Review Panel Representative:**

NameSignature Date

**Capstone Project 2-Mentor:**

Name Signature Date

**Dang Viet Hung**

**PROJECT INFORMATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project acronym** | FC | | |
| **Project Title** | Food Care | | |
| **Start Date** | 01 Mar, 2021 | **End Date** | 25 May, 2021 |
| **Lead Institution** | International School, Duy Tan University | | |
| **Project Mentor** | Ph.D Hung, Dang Viet | | |
| **Scrum master / Project Leader & contact details** | Vinh, Huynh Dac  Email: dacvinh98@gmail.com  Tel: 0347191925 | | |
| **Partner Organization** |  | | |
| **Project Web URL** |  | | |
| **Team members** | Name | Email | Tel |
| 1 | Vinh, Huynh Dac | dacvinh98@gmail.com | 0347191925 |
| 2 | Trung, Tran Quoc | quoctrung.tran210@gmail.com | 0935420530 |
| 3 | Huy, Ton That Minh | tonthatminhh@gmail.com | 0935432561 |
| 4 | Duan, Dang Van | dangvanduan755@gmail.com | 0769710126 |

REVISION HISTORY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| 1.0 | 22/05/2021 | Final | Vinh, Huynh Dac |  |
|  |  |  |  |  |

**Document Approval**

The following signatures are required for approval of this document

|  |  |  |
| --- | --- | --- |
| **Mentor** | Dang Viet Hung | Date: |
| **Scrum Master** | Huynh Dac Vinh | Date: |
| **Product Owner** | Tran Quoc Trung | Date: |
| **Team Member** | Ton That Minh Huy | Date: |
| **Team Member** | Dang Van Duan | Date: |

**Sprint 1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Task** | **Responsible**  **person** | **Status** | **Estimate (hours)** | **Start Date** | **End Date** |
|  | Create Sprint 1 Backlogs | All member | done | 20 | 3/9/2021 | 3/10/2021 |
|  | Create Database for Sprint 1 | Trung, Huy | done | 18 | 3/10/2021 | 3/12/2021 |
|  | Create Test Plan for Sprint 1 | Duan | done | 8 | 3/11/2021 | 3/14/2021 |
|  | Design register UI (user) | Huy | done | 3 | 3/17/2021 | 3/17/2021 |
|  | Code register UI (user) | Vinh | done | 5 | 3/13/2021 | 3/19/2021 |
|  | Code register API (user) | Trung | done | 8 | 3/27/2021 | 3/28/2021 |
|  | Create test cases for register (user) | Trung | done | 3 | 3/21/2021 | 3/21/2021 |
|  | Test register (user) | Duan | done | 3 | 4/3/2021 | 4/3/2021 |
|  | Design login UI (user) | Huy | done | 3 | 3/17/2021 | 3/17/2021 |
|  | Code login UI (user) | Trung | done | 4 | 3/27/2021 | 3/27/2021 |
|  | Code login API (user) | Trung,Vinh | done | 9 | 3/23/2021 | 3/24/2021 |
|  | Create test cases for login (user) | Trung | done | 4 | 3/20/2021 | 3/20/2021 |
|  | Test login (user) | Vinh | done | 3 | 4/3/2021 | 4/3/2021 |
|  | Code logout API | Trung | done | 7 | 3/19/2021 | 3/20/2021 |
|  | Create test cases for logout | Duan | done | 1 | 4/3/2021 | 4/4/2021 |
|  | Test logout | Vinh |  | 2 | 3/17/2021 | 3/18/2021 |
|  | Design change password UI (user) | Huy | done | 3 | 3/24/2021 | 3/25/2021 |
|  | Code change password UI (user) | Huy |  | 4 | 3/25/2021 | 3/25/2021 |
|  | Code change password API (user) | Trung | done | 6 | 3/25/2021 | 3/26/2021 |
|  | Create test cases for change password (user) | Duan | done | 3 | 4/1/2021 | 4/1/2021 |
|  | Test change password (user) | Huy | done | 3 | 4/4/2021 | 4/4/2021 |
|  | Design reset password UI (user) | Vinh | done | 3 | 3/18/2021 | 3/19/2021 |
|  | Code reset password UI (user) | Huy | done | 3 | 3/16/2021 | 3/16/2021 |
|  | Code reset password API (user) | Trung | done | 6 |  |  |
|  | Create test cases for reset password (user) | Duan | done | 4 | 3/31/2021 | 4/1/2021 |
|  | Test reset password (user) | Duan | done | 2 |  |  |
|  | Design profile page UI | Vinh | done | 7 | 3/20/2021 | 3/21/2021 |
|  | Code profile page UI | Huy | done | 9 | 3/20/2021 | 3/23/2021 |
|  | Code profile page API | Vinh, Trung | done | 8 | 4/1/2021 | 4/2/2021 |
|  | Create test cases for profile page | Duan |  | 4 | 3/29/2021 | 3/29/2021 |
|  | Test profile page | Duan | done | 4 | 3/17/2021 | 4/3/2021 |
|  | Design edit profile UI | Vinh | done | 3 | 3/15/2021 | 3/15/2021 |
|  | Code edit profile UI | Huy |  | 6 | 4/1/2021 | 4/1/2021 |
|  | Code edit profile API | Trung | done | 9 | 3/31/2021 | 4/2/2021 |
|  | Create test cases for edit profile | Duan |  | 3 | 4/2/2021 | 4/2/2021 |
|  | Test edit profile | trung |  | 4 | 4/4/2021 | 4/4/2021 |
|  | Design filter food UI | Huy, Vinh | done | 12 | 3/22/2021 | 3/24/2021 |
|  | Code filter food UI | Vinh, Huy |  | 9 |  |  |
|  | Code filter food API | Trung | done | 10 | 3/22/2021 | 3/24/2021 |
|  | Create test cases for filter food | Duan |  | 4 | 4/2/2021 | 4/2/2021 |
|  | Test filter food | Trung |  | 6 |  |  |
|  | Design search food UI | Huy | done | 4 | 4/3/2021 | 4/3/2021 |
|  | Code search food UI | Vinh |  | 6 |  |  |
|  | Code search food API | Trung | done | 7 |  |  |
|  | Create test cases for search food | Vinh |  | 4 | 4/3/2021 | 4/3/2021 |
|  | Test search food | Duan |  | 4 | 4/4/2021 | 4/4/2021 |
|  | Design food's details UI | Vinh, Huy | done | 10 |  |  |
|  | Code food's details UI | Vinh |  | 8 |  |  |
|  | Code food's details API | Trung |  | 6 |  |  |
|  | Create test cases for food's details | Duan |  | 3 | 3/31/2021 | 3/31/2021 |
|  | Test food's details | Huy |  | 3 |  |  |
|  | Design add to favorite UI | Vinh | done | 3 | 3/30/2021 | 3/30/2021 |
|  | Code add to favorite UI | Huy |  | 3 |  |  |
|  | Code add to favorite API | Trung | done | 5 |  |  |
|  | Create test cases for add to favorite | Duan |  | 3 | 3/31/2021 | 3/31/2021 |
|  | Test add to favorite | Vinh |  | 3 |  |  |
|  | Design favorite list UI | Huy | done | 8 |  |  |
|  | Code favorite list UI | Vinh |  | 6 |  |  |
|  | Code favorite list API | Trung | done | 5 |  |  |
|  | Create test cases for favorite list | Duan |  | 2 | 4/1/2021 | 4/1/2021 |
|  | Test favorite list | Vinh |  | 3 |  |  |
|  | Design remove favorite food UI | Vinh | done | 3 | 3/28/2021 | 3/28/2021 |
|  | Code remove favorite food UI | Huy |  | 3 |  |  |
|  | Code remove favorite food API | Trung | done | 7 |  |  |
|  | Create test cases for remove favorite food | Duan |  | 3 | 3/31/2021 | 3/31/2021 |
|  | Test remove favorite food | Huy |  | 2 | 4/3/2021 | 4/3/2021 |
|  | Design create custom food UI | Vinh | done | 7 | 4/3/2021 | 4/4/2021 |
|  | Code create custom food UI | Huy |  | 4 |  |  |
|  | Code create custom food API | Trung |  | 7 |  |  |
|  | Create test cases for create custom food | Huy |  | 4 | 4/4/2021 | 4/4/2021 |
|  | Test create custom food | Duan |  | 4 |  |  |
|  | Design update custom food UI | Vinh | done | 4 | 4/4/2021 | 4/4/2021 |
|  | Code update custom food UI | Huy |  | 3 |  |  |
|  | Code update custom food API | Trung | done | 6 |  |  |
|  | Create test cases for update custom food | Duan | done | 4 | 4/4/2021 | 4/4/2021 |
|  | Test update custom food food | Duan | done | 5 | 4/3/2021 | 4/3/2021 |
|  | Design remove custom food UI | Huy | done | 3 | 4/3/2021 | 4/3/2021 |
|  | Code remove custom food UI | Vinh | done | 3 | 4/3/2021 | 4/3/2021 |
|  | Code remove custom food API | Trung | done | 9 | 4/3/2021 | 4/3/2021 |
|  | Create test cases for remove custom food list | Duan | done | 3 | 4/3/2021 | 4/3/2021 |
|  | Test remove custom food | Vinh | done | 3 | 4/2/2021 | 4/2/2021 |
|  |  |  |  | 419 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 8/3 | 9/3 | 10/3 | 11/3 | 12/3 | 13/3 | 14/3 | 15/3 | 16/3 | 17/3 | 18/3 | 19/3 | 20/3 | 21/3 | 22/3 |
| **Actual time remaining**  **(hours)** | 419 | 411 | 396 | 386 | 379 | 375 | 369 | 366 | 359 | 351 | 348 | 339 | 322 | 315 | 304 |
| **Estimated Time**  **(hours)** | 404.  05 | 389.  1 | 374.  15 | 359.  2 | 344.25 | 329.3 | 314.35 | 299.4 | 284.  45 | 269.  5 | 254.  55 | 239.  6 | 224.  65 | 209.  7 | 194.  75 |
| **Actual time**  **(hours)** | 8 | 15 | 10 | 7 | 11 | 4 | 6 | 3 | 7 | 8 | 3 | 9 | 17 | 7 | 11 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 23/3 | 24/3 | 25/3 | 26/3 | 27/3 | 28/3 | 29/3 | 30/3 | 31/3 | 1/4 | 2/4 | 3/4 | 4/4 |
| **Actual time remaining**  **(hours)** | 295 | 286 | 276 | 273 | 265 | 258 | 254 | 251 | 238 | 224 | 205 | 186 | 157 |
| **Estimated Time**  **(hours)** | 179.  8 | 164.  85 | 149.  9 | 134.  95 | 120 | 105.  05 | 90.  1 | 75.  15 | 60.  2 | 45.  25 | 30.  3 | 15.35 | 0 |
| **Actual time**  **(hours)** | 9 | 9 | 8 | 3 | 8 | 7 | 4 | 3 | 13 | 14 | 19 | 19 | 29 |

**Sprint 2**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | | **Task** | **Responsible**  **person** | | **Status** | **Estimate (hours)** | **Start Date** | **End Date** |
| 1 | Create Sprint 2 Backlogs | | | All member | done | 20 | 4/6/2021 | 4/7/2021 |
| 2 | Create Database for Sprint 2 | | | Trung, Huy | done | 20 | 4/18/2021 | 4/24/2021 |
| 3 | Create Test Plan for Sprint 2 | | | Duan | done | 5 | 4/8/2021 | 4/8/2021 |
| 4 | Design menu UI | | | Vinh, Huy | done | 12 |  |  |
| 5 | Code menu UI | | | Huy | done | 10 | 4/30/2021 | 5/2/2021 |
| 6 | Code menu API | | | Trung | done | 8 | 5/1/2021 | 5/2/2021 |
| 7 | Design test cases for menu | | | Vinh | done | 5 | 5/2/2021 | 5/2/2021 |
| 8 | Test menu | | | Duan | done | 4 |  |  |
| 9 | Design collection UI | | | Vinh | done | 8 | 4/19/2021 | 4/20/2021 |
| 10 | Code collection UI | | | Huy | done | 7 | 4/27/2021 | 4/28/2021 |
| 11 | Code collection API | | | Trung | done | 6 | 4/27/2021 | 4/27/2021 |
| 12 | Design test cases for collection | | | Vinh | done | 3 | 4/10/2021 | 4/10/2021 |
| 13 | Test collection | | | Duan | done | 3 | 4/27/2021 | 4/28/2021 |
| 14 | Design collection's details UI | | | Huy | done | 6 | 4/11/2021 | 4/11/2021 |
| 15 | Code collection's details UI | | | Vinh | done | 7 | 4/25/2021 | 4/26/2021 |
| 16 | Code collection's details API | | | Trung | done | 6 | 4/13/2021 | 4/14/2021 |
| 17 | Design test cases for collection's details | | | Huy | done | 4 | 4/18/2021 | 4/18/2021 |
| 18 | Test collection's details | | | Duan | done | 2 | 4/16/2021 | 4/16/2021 |
| 19 | Design create collection UI | | | Vinh | done | 6 | 4/17/2021 | 4/17/2021 |
| 20 | Code create collection UI | | | Huy | done | 6 |  |  |
| 21 | Code create collection API | | | Vinh | done | 5 | 5/1/2021 | 5/1/2021 |
| 22 | Design test cases for create collection | | | Duan | done | 3 | 4/30/2021 | 4/30/2021 |
| 23 | Test create collection | | | Huy | done | 2 | 5/2/2021 | 5/2/2021 |
| 24 | Design add food to collection UI | | | Vinh | done | 5 | 4/19/2021 | 4/19/2021 |
| 25 | Code add food to collection UI | | | Huy | done | 3 | 4/24/2021 | 4/24/2021 |
| 26 | Code add food to collection API | | | Trung | done | 4 | 4/24/2021 | 4/24/2021 |
| 27 | Design test cases for add food to collection | | | Vinh | done | 3 | 4/19/2021 | 4/19/2021 |
| 28 | Test add food to collection | | | Duan | done | 2 | 5/2/2021 | 5/2/2021 |
| 29 | Design remove food from collection UI | | | Huy | done | 5 | 4/20/2021 | 4/20/2021 |
| 30 | Code remove food from collection UI | | | Vinh | done | 4 | 4/20/2021 | 4/20/2021 |
| 31 | Code remove food from collection API | | | Huy | done | 5 | 4/21/2021 | 4/21/2021 |
| 32 | Design test cases for remove food from collection | | | Huy | done | 5 | 4/29/2021 | 4/29/2021 |
| 33 | Test remove food from collection | | | Duan | done | 3 | 4/30/2021 | 4/30/2021 |
| 34 | Design request to public food UI | | | Vinh |  | 7 |  |  |
| 35 | Code request to public food UI | | | Huy |  | 5 |  |  |
| 36 | Code request to public food API | | | Trung | done | 4 | 4/13/2021 | 4/13/2021 |
| 37 | Design test cases for request to public food | | | Huy |  | 4 |  |  |
| 38 | Test request to public food | | | Duan |  | 3 |  |  |
| 39 | Design list requested food UI | | | Vinh | done | 5 | 4/12/2021 | 4/12/2021 |
| 40 | Code list requested food UI | | | Huy |  | 4 |  |  |
| 41 | Code list requested food API | | | Trung |  | 6 | 4/13/2021 |  |
| 42 | Design test cases for list requested  food | | | Duan | done | 4 | 4/13/2021 | 5/1/2021 |
| 43 | Test list requested food | | | Vinh | done | 5 | 5/2/2021 | 5/2/2021 |
| 44 | Design withdraw requested food  UI | | | Huy | done | 6 |  |  |
| 45 | Code withdraw requested food UI | | | Vinh | done | 4 | 4/22/2021 | 4/22/2021 |
| 46 | Code withdraw requested food  API | | | Trung | done | 5 | 4/21/2021 | 4/21/2021 |
| 47 | Design test cases for withdraw  requested food | | | Duan | done | 3 | 4/22/2021 | 4/22/2021 |
| 48 | Test withdraw requested food | | | Trung | done | 2 | 4/23/2021 | 4/23/2021 |
| 49 | Code reset password API (user) | | | Vinh | done | 6 | 5/2/2021 | 5/2/2021 |
| 50 | Test reset password (user) | | | Duan | done | 2 | 5/2/2021 | 5/2/2021 |
| 51 | Code filter food UI | | | Huy, Vinh | done | 10 | 4/26/2021 | 4/27/2021 |
| 52 | Test filter food | | | Duan | done | 6 | 4/27/2021 | 4/27/2021 |
| 53 | Code search food UI | | | Vinh |  | 6 |  |  |
| 54 | Code search food API | | | Trung | done | 7 | 4/15/2021 | 4/25/2021 |
| 55 | Test search food | | | Duan |  | 4 |  |  |
| 56 | Code food's details UI | | | Huy | done | 8 | 4/9/2021 | 4/26/2021 |
| 57 | Code food's details API | | | Trung | done | 6 | 4/24/2021 | 4/24/2021 |
| 58 | Test food's details | | | Duan | done | 3 | 5/1/2021 | 5/1/2021 |
| 59 | Code add to favorite UI | | | Huy | done | 3 | 4/8/2021 | 4/8/2021 |
| 60 | Code add to favorite API | | | Trung | done | 5 | 4/29/2021 | 4/30/2021 |
| 61 | Test add to favorite | | | Vinh | done | 3 | 4/28/2021 | 4/28/2021 |
| 62 | Design favorite list UI | | | Huy | done | 8 | 4/27/2021 | 4/28/2021 |
| 63 | Code favorite list UI | | | Vinh | done | 6 |  |  |
| 64 | Code favorite list API | | | Trung | done | 5 | 4/27/2021 | 4/27/2021 |
| 65 | Test favorite list | | | Duan | done | 3 | 4/27/2021 | 4/27/2021 |
| 66 | Code remove favorite food UI | | | Huy | done | 3 | 4/29/2021 | 4/29/2021 |
| 67 | Code remove favorite food API | | | Vinh | done | 7 | 4/26/2021 | 5/1/2021 |
| 68 | Test remove favorite food | | | Duan | done | 2 | 5/2/2021 | 5/2/2021 |
| 69 | Code create custom food UI | | | Vinh | done | 4 | 4/7/2021 | 4/7/2021 |
| 70 | Code create custom food API | | | Trung | done | 7 | 4/8/2021 | 4/9/2021 |
| 71 | Test create custom food | | | Duan | done | 4 | 4/17/2021 | 4/17/2021 |
| 72 | Code update custom food UI | | | Huy | done | 3 | 4/19/2021 | 4/19/2021 |
| 73 | Code update custom food API | | | Vinh | done | 6 | 4/22/2021 | 4/23/2021 |
| 74 | Test update custom food food | | | Trung | done | 5 | 4/24/2021 | 4/24/2021 |
| 75 | Design remove custom food UI | | | Vinh | done | 3 | 4/25/2021 | 4/25/2021 |
| 76 | Code remove custom food UI | | | Huy | done | 3 | 4/30/2021 | 4/30/2021 |
| 77 | Code remove custom food API | | | Trung | done | 9 | 4/27/2021 | 4/28/2021 |
| 78 | Test remove custom food | | | Duan | done | 3 | 5/1/2021 | 5/1/2021 |
|  | |  |  | |  | 414 |  |  |

d

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 5/4 | 6/4 | 7/4 | 8/4 | 9/4 | 10/4 | 11/4 | 12/4 | 13/4 | 14/4 | 15/4 | 16/4 | 17/4 |
| **Actual time remaining**  **(hours)** | 414 | 406 | 390 | 378 | 366 | 363 | 357 | 352 | 345 | 342 | 339 | 337 | 327 |
| **Estimated Time**  **(hours)** | 399.  23 | 384.  46 | 369.  69 | 354.  92 | 340.  15 | 325.  38 | 310.  61 | 295.  84 | 281.  07 | 266.  3 | 251.  53 | 236.  76 | 221.  99 |
| **Actual time(hours)** | 8 | 16 | 12 | 12 | 12 | 3 | 6 | 5 | 7 | 3 | 3 | 2 | 10 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 18/4 | 19/4 | 20/4 | 21/4 | 22/4 | 23/4 | 24/4 | 25/4 | 26/4 | 27/4 | 28/4 | 29/4 | 30/4 | 1/5 | 2/5 |
| **Actual time remaining**  **(hours)** | 317 | 302 | 289 | 279 | 270 | 256 | 232 | 218 | 200 | 169 | 150 | 140 | 124 | 98 | 73 |
| **Estimated Time**  **(hours)** | 207.  22 | 192.45 | 177.  68 | 162.  91 | 148.  14 | 133.  37 | 118.6 | 103.  83 | 89.  06 | 74.  29 | 59.  52 | 44.  75 | 29.  98 | 15.  21 | 0 |
| **Actual time(hours)** | 10 | 15 | 13 | 10 | 9 | 14 | 24 | 14 | 18 | 31 | 19 | 10 | 16 | 26 | 25 |

**Sprint 3**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Create Sprint 3 Backlogs | All member | done | 16 | 5/4/2021 | 5/5/2021 |
| 2 | Create Database for Sprint 3 | Trung, Vinh | done | 18 | 5/6/2021 | 5/8/2021 |
| 3 | Create Test Plan for Sprint 3 | All member | done | 9 | 5/7/2021 | 5/8/2021 |
| 4 | Test delete food | Trung | done | 2 | 5/23/2021 | 5/23/2021 |
| 5 | Design receive recommended food UI | Vinh | done | 8 | 5/19/2021 | 5/22/2021 |
| 6 | Code receive recommended food UI | Huy | done | 6 | 5/21/2021 | 5/21/2021 |
| 7 | Code receive recommended food API | Trung,Vinh | done | 28 | 5/5/2021 | 5/21/2021 |
| 8 | Create test cases for receive recommended food | Duan | done | 7 | 5/21/2021 | 5/22/2021 |
| 9 | Test receive recommended food | Huy | done | 6 | 5/22/2021 | 5/22/2021 |
| 10 | Design request to public food UI | Vinh | done | 7 | 5/19/2021 | 5/19/2021 |
| 11 | Code request to public food UI | Huy | done | 5 | 5/18/2021 | 5/18/2021 |
| 12 | Design test cases for request to public food | Duan | done | 4 | 5/22/2021 | 5/22/2021 |
| 13 | Test request to public food | Trung | done | 3 | 5/23/2021 | 5/23/2021 |
| 14 | Code list requested food UI | Vinh | done | 4 | 5/23/2021 | 5/23/2021 |
| 15 | Code list requested food API | Trung | done | 6 | 5/16/2021 | 5/20/2021 |
| 16 | Code search food UI | Huy | done | 6 | 5/20/2021 | 5/20/2021 |
| 17 | Test search food | Duan | done | 4 | 5/21/2021 | 5/21/2021 |
|  |  |  |  | 139 |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 3/5 | 4/5 | 5/5 | 6/5 | 7/5 | 8/5 | 9/5 | 10/5 | 11/5 | 12/5 | 13/5 |
| **Actual time remaining**  **(hours)** | 139 | 131 | 121 | 117 | 105 | 94 | 94 | 88 | 88 | 88 | 88 |
| **Estimated Time**  **(hours)** | 335.24 | 318.48 | 301.72 | 284.96 | 268.2 | 251.44 | 234.68 | 217.92 | 201.16 | 184.4 | 167.64 |
| **Actual time(hours)** | 8 | 10 | 10 | 4 | 12 | 11 | 0 | 6 | 0 | 0 | 0 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Milestone** | 14/5 | 15/5 | 16/5 | 17/5 | 18/5 | 19/5 | 20/5 | 21/5 | 22/5 | 23/5 |
| **Actual time remaining**  **(hours)** | 88 | 88 | 77 | 77 | 65 | 56 | 45 | 26 | 9 | 0 |
| **Estimated Time**  **(hours)** | 150.88 | 134.12 | 117.36 | 100.6 | 83.84 | 67.08 | 50.32 | 33.56 | 16.8 | 0 |
| **Actual time(hours)** | 0 | 0 | 11 | 0 | 12 | 9 | 11 | 19 | 17 | 9 |