Project Management:   
Managing Project in a stipulated amount of time is a complicated task. It is imperious to keep track of performance metric throughout the project lifecycle. Resource Utilization metric was implemented each week so as to get desired project output.  
 *R*esource Utilization: - It’s the measure of how team members are spending their time while working on a project. It was evident that initially lot of time was wasted on trivial topics. After two weeks, as the deadline approached, we were running out of time hence we made some changes.   
We have mentioned all the meet-ups below and the work done by individual.

**Generic idea for weekly work**

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| ***Sr. No*** | ***Week*** | ***Work to be Done*** |
| 1 | 29th October – 4th November | Individual understanding and thoughts for the Project |
| 2 | 5th November – 11th November | Assigning task to each mini group |
| 3 | 12th November – 18th November | Completion of individual task |
| 4 | 19th November – 25th November | Integrating code (Delayed) |
| 5 | 26th November – 2nd December | Code Testing & Documentation (Delayed) |
| 6 | 3rd December – 9th December | Documentation |

**Delays**   
1) 19th November – 25th November Task  
For the integration of the code it was essential for entire team to meet and see through the proper mapping of the code.  
2) 26th November – 2nd December  
Since we didn’t work in the previous week we had double the amount of work to be completed in a week.   
  
**Project Schedule**

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| ***Sr. No*** | ***Week*** | ***Task Assigned*** | | |
|  |  | ***Front End*** | ***Backend API*** | ***Backend Database*** |
| 1 | 5th November – 11th November | Decide upon the layout | Decide upon various API and their Functionalities | Decide upon the attributes of the table |
| 2 | 12th November – 18th November | Implementation of respective security features | Implementation of respective  security features | Implementation of respective  security features |
| 3 | 19th November – 25th November | Integrate with other teams | Integrate with other teams | Integrate with other teams |
| 4 | 26th November – 2nd December | Static analysis and testing | Static analysis and testing | Static analysis and testing |

**Minutes of the meet and the detailed task done**   
  
Date: - 6th November  
Day: - Tuesday 8:00pm -10:00pm  
Team: - Backend Api  
Work Done: - Drafting of Basic API and their Functionalities.  
 Creation of YAML file.   
 Mapping of work to individual teammate.  
Date: - 8th November  
Day: - Thursday 7:00pm – 8:30pm  
Team: - Frontend UI & Backend API  
Work Done: - Collaboration to Frontend and Backend to set standards.   
 Creation of GitHub repository.  
 Creation of Basic POST template for API calls.  
 Mapping of pages with proper functionality.   
Date: - 9th November  
Day: - Friday 4:30pm -7:00pm  
Team: - Entire  
Work Done: - Database Script with DB execution class.  
 Structuring Project to run Module.  
 Discussion of the work to be done for upcoming work, assigning task to individuals.  
 Authentication login register forgot password was done before hand.  
 Rechecking the yaml file to suit the purpose of work  
 Team members were on the same page by getting same versions of software  
Date: - 12th November  
Day: - Monday 4:00pm – 7:00pm  
Team: - Backend Databases & API  
Work Done: - Deciding upon response code.  
 Changes in the Database dump.  
 CC database class added.  
 Initial Profile API made.   
 Initial Transaction API made.  
Date: - 16th November  
Day: - Friday 5:00pm – 7:30pm  
Team: - Entire  
Work Done: - Presentation of Input Validation Code.  
 Logical Errors pointed out in the UI.   
Date: - 19th November  
Day: - Monday 6:00pm – 8:00pm  
Team: - Frontend UI  
Work Done: - Changes made as per the feedback of the group.  
 Rechecking on workflow and Referencing of the pages.

Date: - 29th November  
Day: - Thursday 9:00pm – 10:30pm  
Team: - Backend API & Databases  
Work Done: - Start to integrate Code.   
 Debugging the errors.  
 Testing the code, following the coding standards.   
Date: - 30th November  
Day: - Friday 5:00pm – 8:00pm   
Team: - Entire  
Work Done: - Verification that everyone’s on the same page.  
 Verification of work by a team, by rest of the group.  
Date: - 2ndDecember  
Day: - Sunday 8:00pm – 11:00pm   
Team: - Frontend UI & Backend Databases  
Work Done: - Integrating UI and Backend Databases.  
 All the API checked.  
Date: - 3rd December  
Day: - Monday 4:00pm -7:00pm  
Team: - Backend API & Databases  
Work Done: - Testing of API and responses.  
Date: - 7rd December  
Day: - Friday 5:00pm – 12:00pm  
Team: - Entire  
Work Done: - Start to Work on Report.  
 Use of static analysis tools.  
Date: - 8th December  
Day: - Saturday 11:00am onwards  
Team: - Entire  
Work Done: - Last Minute changes to the code.  
Date: - 9th December  
Day: - Sunday 11:00am onwards  
Team: - Entire  
Work Done: - Rechecking of documents.  
 Verification of the deliverables.

**List of Tokens and their Deposition**   
**API’s**

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| ***Sr.No*** | ***Token Generated*** | ***Disposition*** |
| 1 | Registeration API | Paul – Required a day |
| 2 | Login API | Paul – Required a day |
| 3 | Security Questions API | Nameet – Required 2 days |
| 4 | Logout API | Sumit – Required 2 days |
| 5 | Profile API | Sahil – Required a day |
| 6 | Transaction API | Paul – Required 2 days |
| 7 | Approval API | Paul – Required a day |
| 8 | Forget API | Ketaki – Required 2 days |
| 9 | Invite friend API | Sahil – Required a day |
| 10 | Verify Token API | Nameet – Required a day |
| 11 | Make Payment API | Sahil – Required 2 days |

**UI**

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| ***Sr.No*** | ***Token Generated*** | ***Disposition*** |
| 1 | Bill Webpage | Kyra – Required a day |
| 2 | Change password Webpage | Sayak – Required 2 days |
| 3 | Forgot password Webpage | Sayak – Required a day |
| 4 | Home Webpage | Kyra– Required a day |
| 5 | Invite Webpage | Kyra – Required 2 days |
| 6 | Login Webpage | Kyra – Required 2 days |
| 7 | Payment Webpage | Kyra – Required a day |
| 8 | Pending Webpage | Sayak – Required a day |
| 9 | Profile Webpage | Simran– Required 2 days |
| 10 | Tracking Webpage | Sayak – Required 2 days |

**Databases**

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| ***Sr.No*** | ***Token Generated*** | ***Disposition*** |
| 1 | Coordinate with API for queries | Sahil, Viraj and Ketaki throughout the scope |
| 2 | Coordinate with UI for queries | Sahil, Viraj and Ketaki throughout the scope |
| 3 | Create Database | Sahil – Required 3 days |