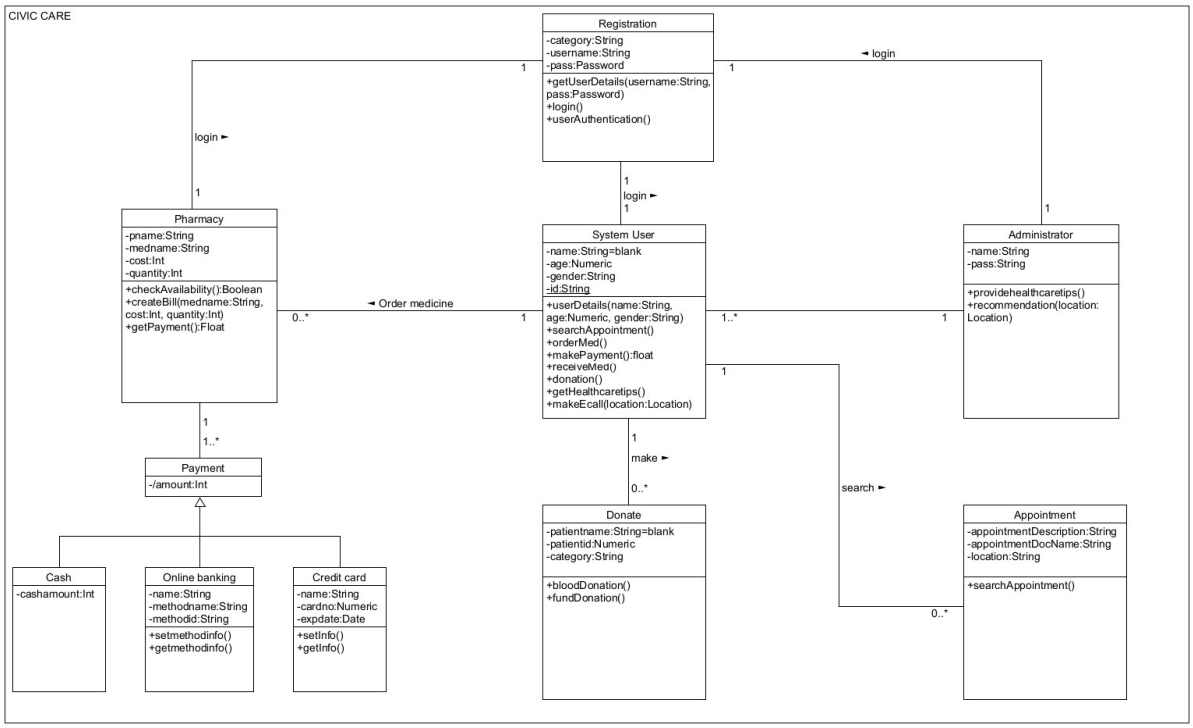
Group-04 (Class diagram)



Timeline Chart

Project Plan

Weeks/ Tasks	1	2	3	4	5	6	7	8	9	10	11
A											
B											
C											
D											
E											
F											

Activity:

A: Planning
B: Analysis
C: Design
D: Development and coding
E: Testing
F: Implementation

Serial No.	Week/ Tasks	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
1.	**Planning**											
1.1	- Planning initiation											
1.2	- Resource and planning											
1.3	- Quality Planning											
1.4	- Contacting											
1.5	- Phase review											
2.	**Analysis**											
2.1	- Gathering business requirements											
2.2	- Building trust with users											
2.3	- Documenting the existing system											
2.4	- Develop preliminary data and process modes											
3.	**Design**											
4.	**Development and coding**											
4.1	- Develop system module											
4.2	- Integrate system module											
4.3	- Perform initial testing											
5.	**Testing**											
5.1	- Perform system testing											
5.2	- Document issues found											
5.3	- Correct issues found											
6.	**Implementation**											
6.1	- On-site installation											
6.2	- Support plan for the system											

Budgeting for “Civic Care”

Constructive Cost Model:

→ Project type : Organic
→ Coefficient_{<effort factor>} : 2.40 [P=1.05, T=0.38]
→ SLOC : 7700 Lines
→ Person Months : $(2.40 * 7.7^{1.05}) = 20.47$
→ Dev. time, DM : $(2.50 * 20.47^{0.38}) = 7.87$ = 8 Months = 1408 WH
→ Required People, ST : PM/DM = 20.47/7.87 = 2.60 = 3

Budgeting:

Developer Salary in 8 months:

Per Developer salary Per working Hour = 550 Taka
Total Developer salary = 550*1408 = 774,400 Taka

Requirement Analysis:

Time Needed: 1 month (22 working days= 176 working Hour)
Req Analysis Person’s Hourly wage =300 Taka
Total Req Analysis expense = 300*176= 52,800 Taka

Transportation Cost Estimation:

8,500 Taka

Training & Hardware Expense Estimation:

92,000 Taka

Rent Expense:

Room per Month = 10,500 Taka
Total in 8 Months = 84,000 Taka

Total Utilities in 8 Months (including miscellaneous):

12,000 Taka

Maintenance (Till 6 Months after Delivery):

Expense per Hour: 1000 Taka
Total Estimated Time needed for Maintenance 60 Hours
Total Estimated Maintenance Expense = 60*1000 = 60,000 Taka

Total Estimated Expense:

774,400 + 52,800 + 8,500 + 92,000 +84,000 + 12,000 + 60,000 = 10,83,700 Taka

Profit:

20% of Total Estimated Expense = 10,83,700 *20% = 2,16,740 Taka

Project Budget: 10,83,700 + 2,16,740 = 13,00,440 Taka