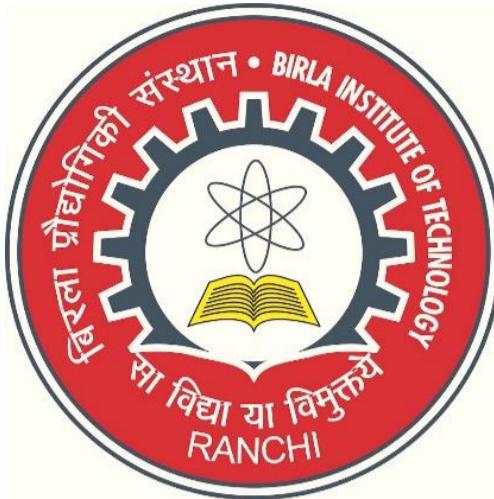


Birla Institute of Technology,Mesra



SOFTWARE ENGINEERING LAB ASSIGNMENT 02

Professor → Dr. Kamta Nath Mishra

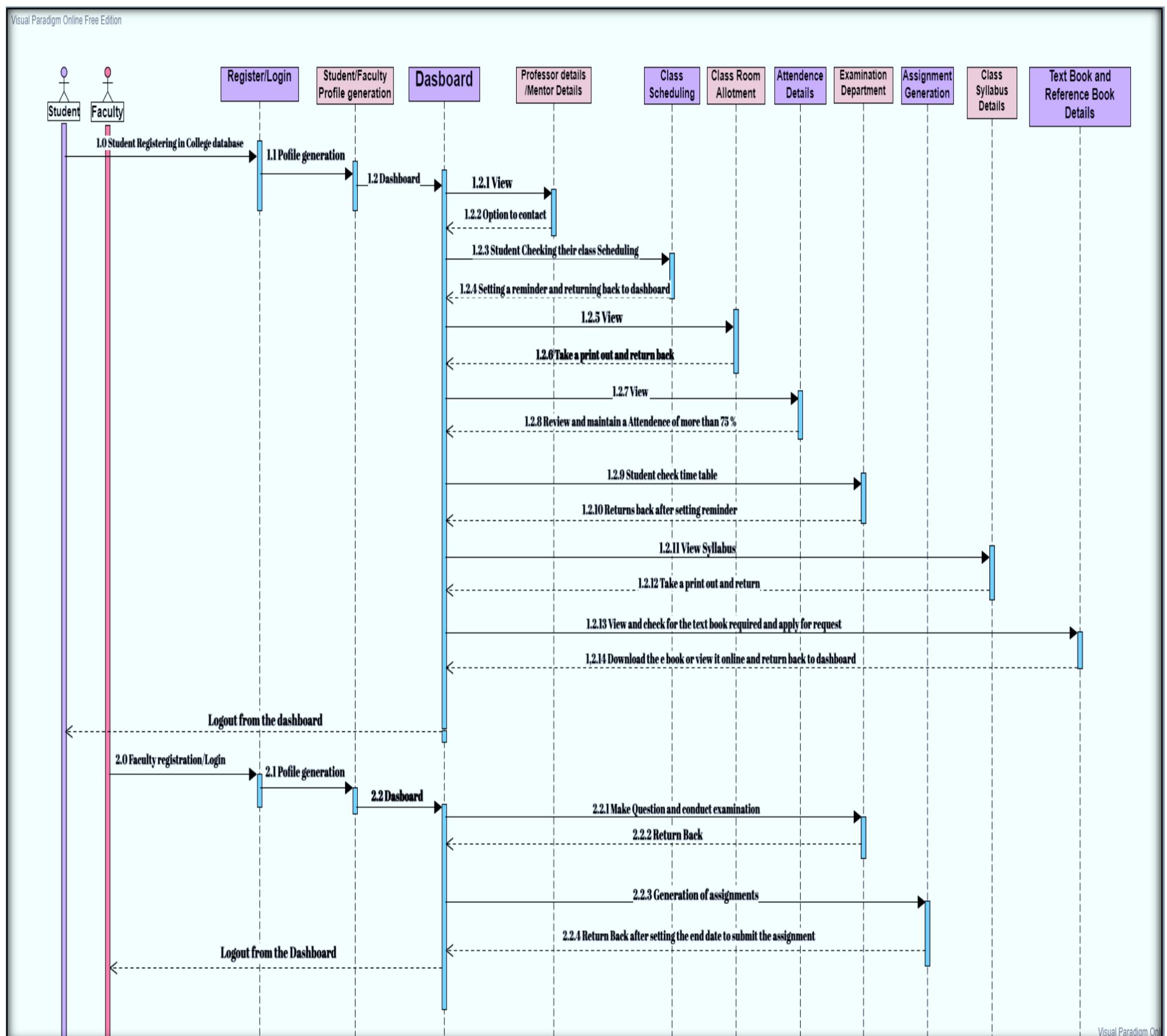
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ROLL NO. → BTECH/60017/19

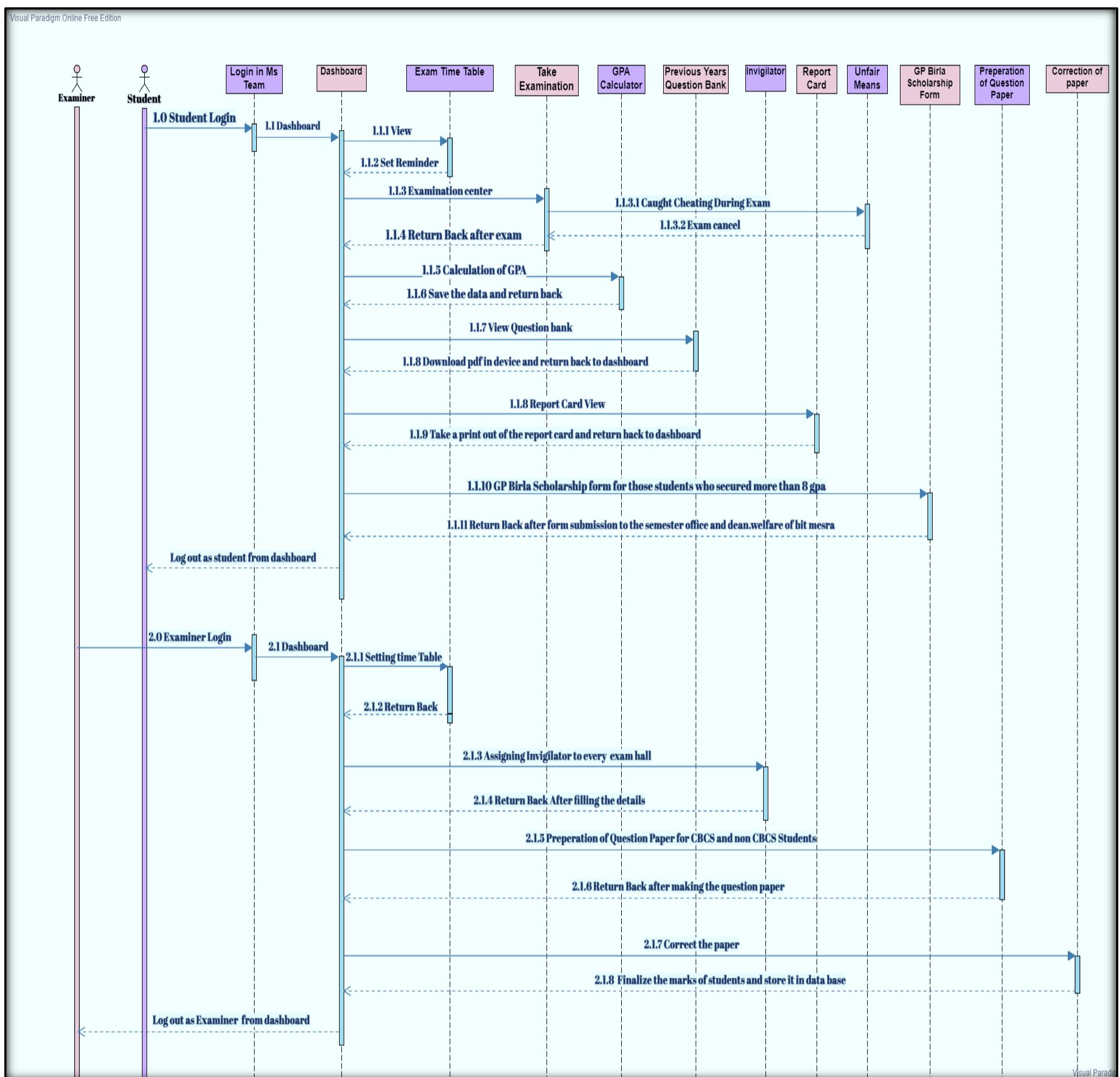
COMPUTER SCIENCE ENGINEERING 5TH SEMESTER

Question 1: Construct/Develop the Sequence diagrams for your selected modules using Visual Paradigm Software Tool. (7.5 Marks)

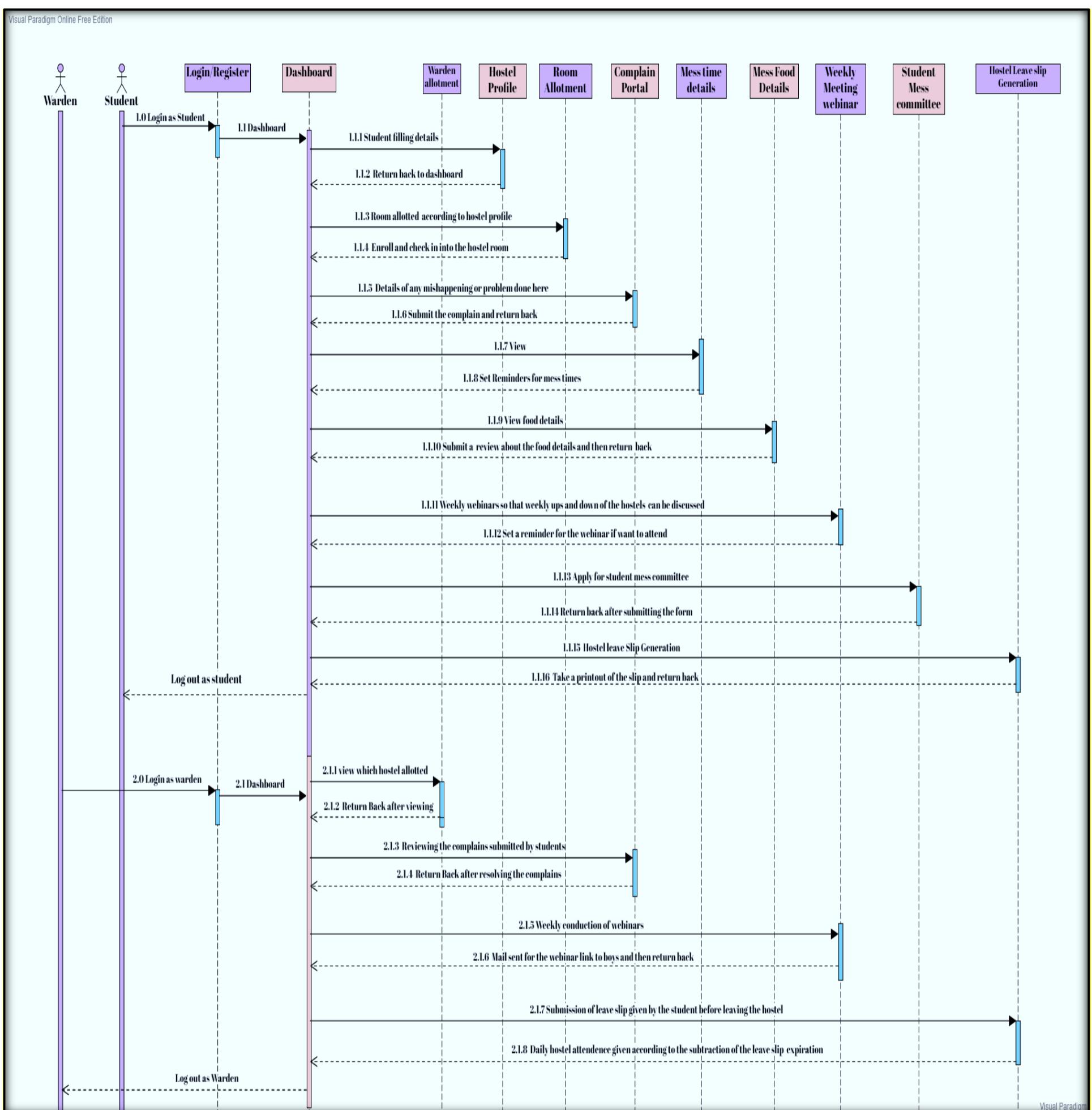
(1) SEQUENCE DIAGRAM FOR COMPUTER SCIENCE MODULE :-



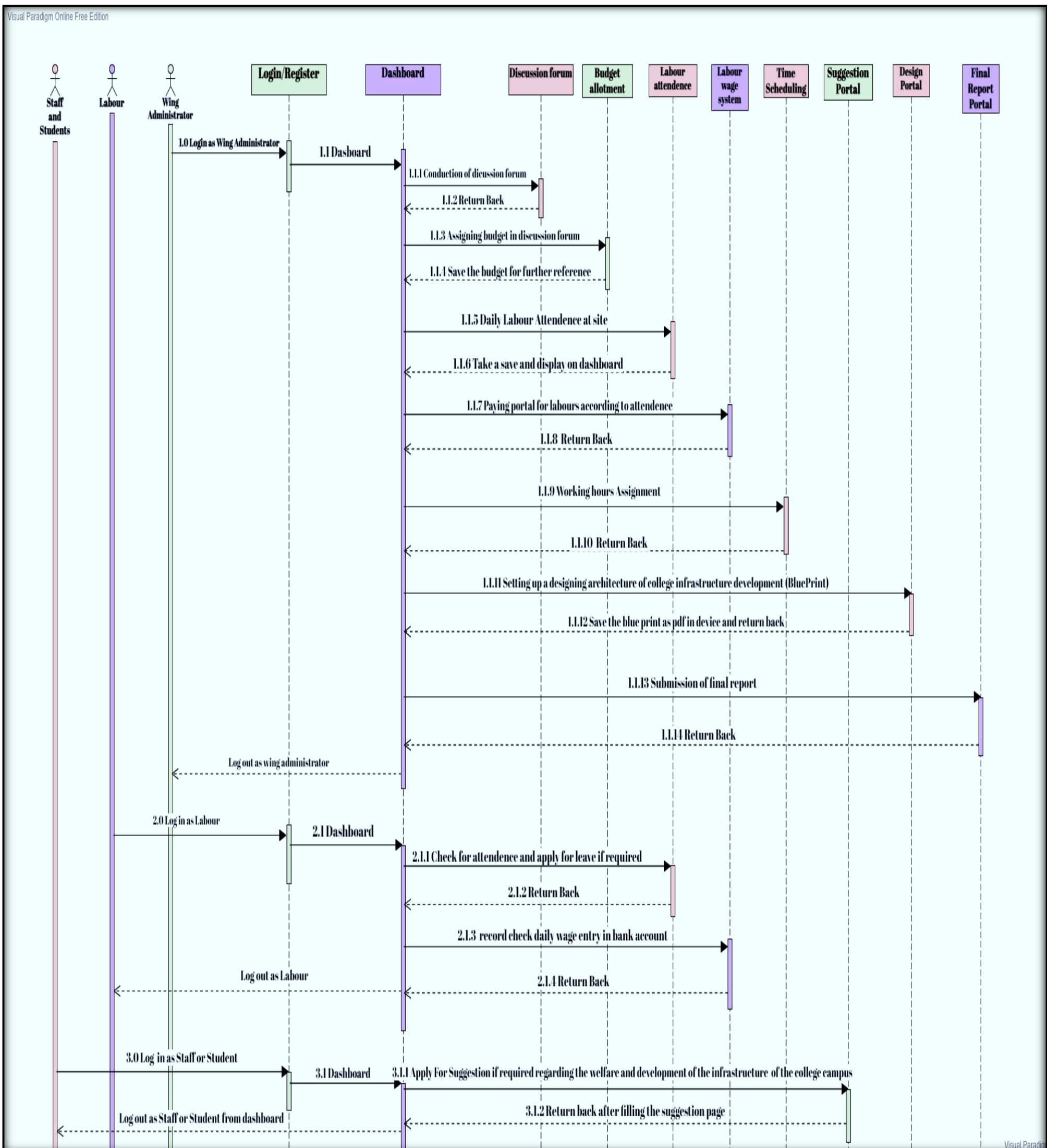
(2) SEQUENCE DIAGRAM FOR EXAMINATION MODULE:-



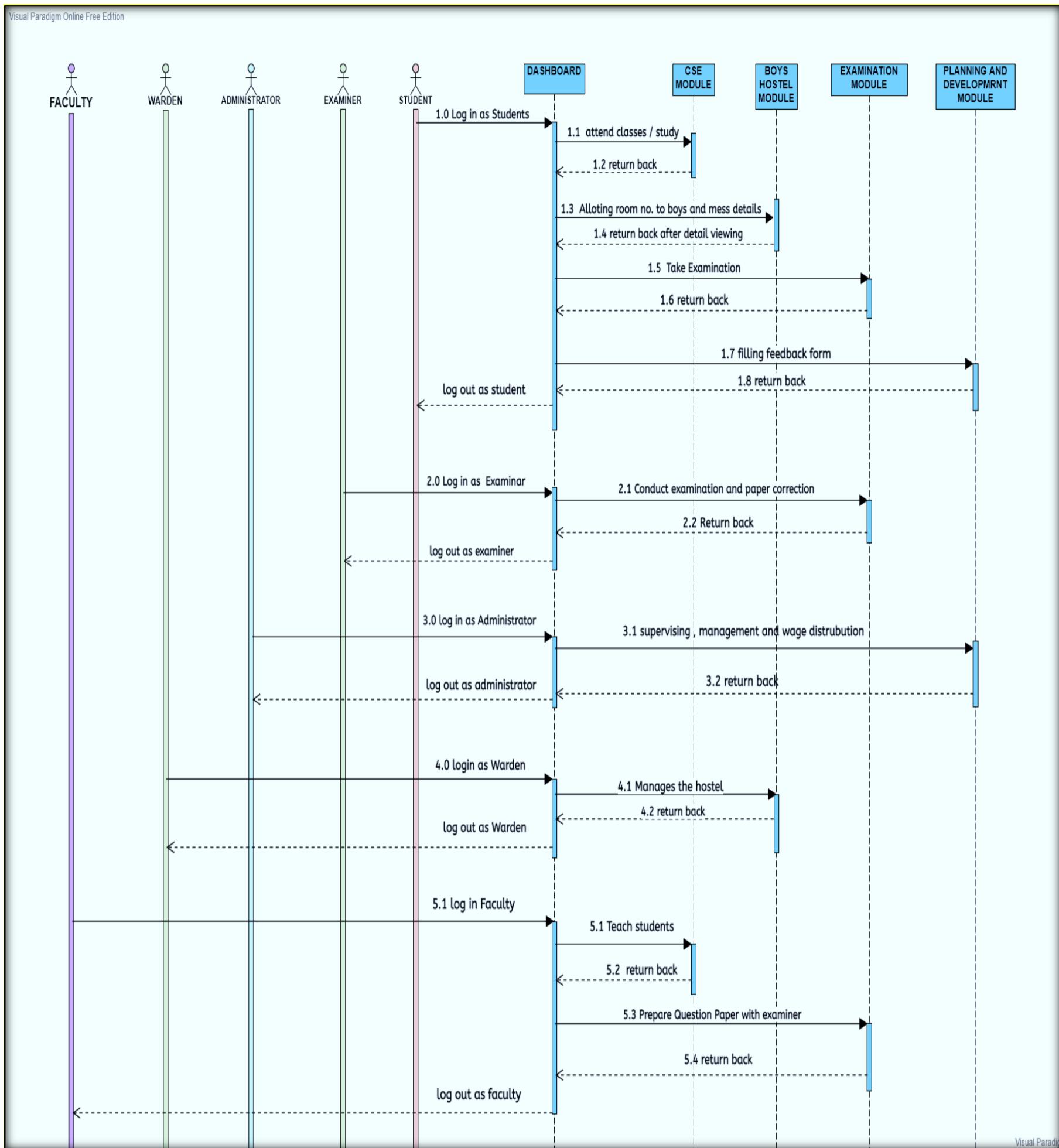
(3) SEQUENCE DIAGRAM FOR BOYS HOSTEL MODULE:-



(4) SEQUENCE DIAGRAM FOR PLANNING AND DEVELOPMENT MODULE:-



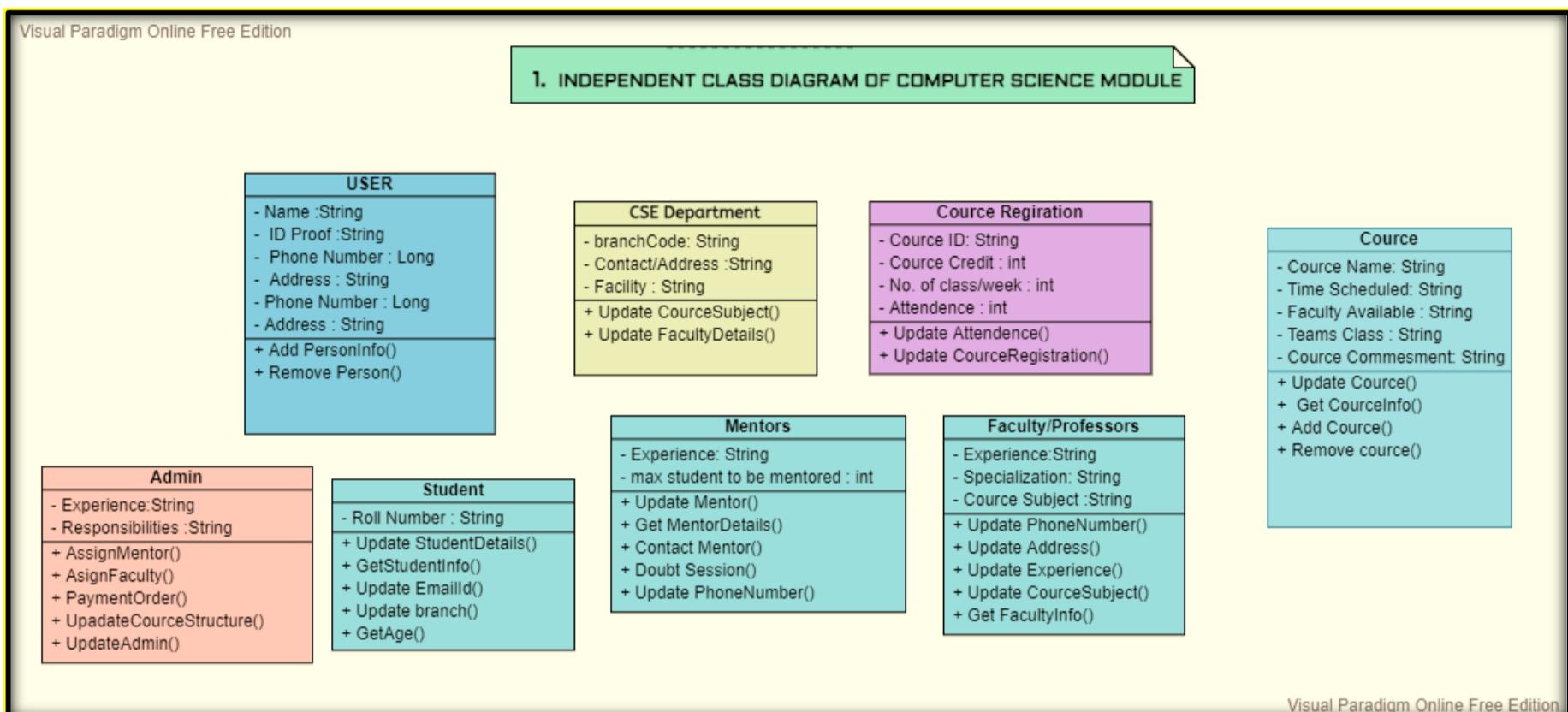
(5) SEQUENCE DIAGRAM FOR ALL FOUR MODULE:-



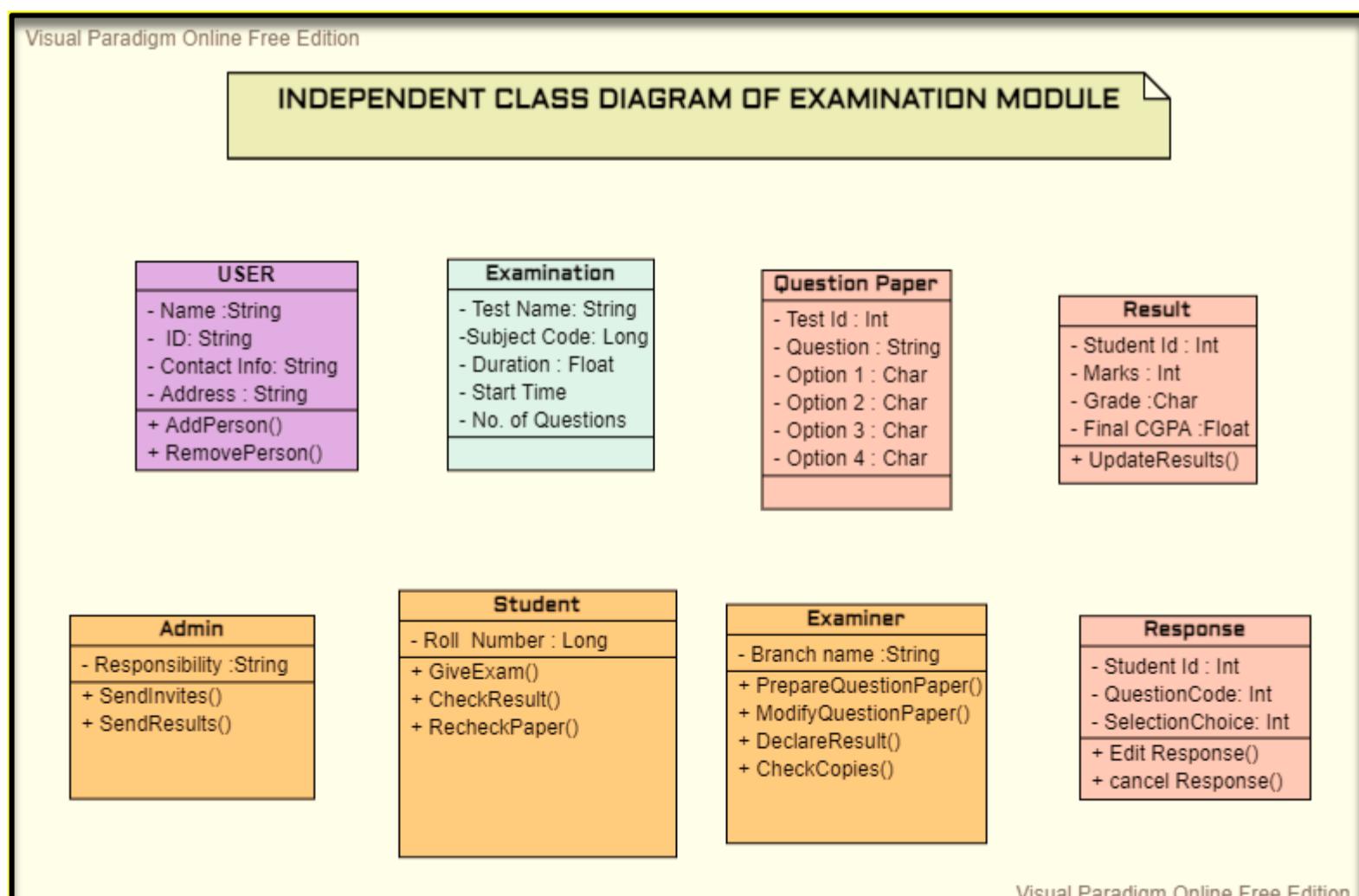
Question 2: Develop the Class diagrams including association, aggregation, generalization and realization (SuperClass-Subclass) relationships for your selected modules using Visual Paradigm Software Tool. (7.5 Marks)

(1) INDEPENDENT CLASS DIAGRAM

(I) COMPUTER SCIENCE MODULE :-



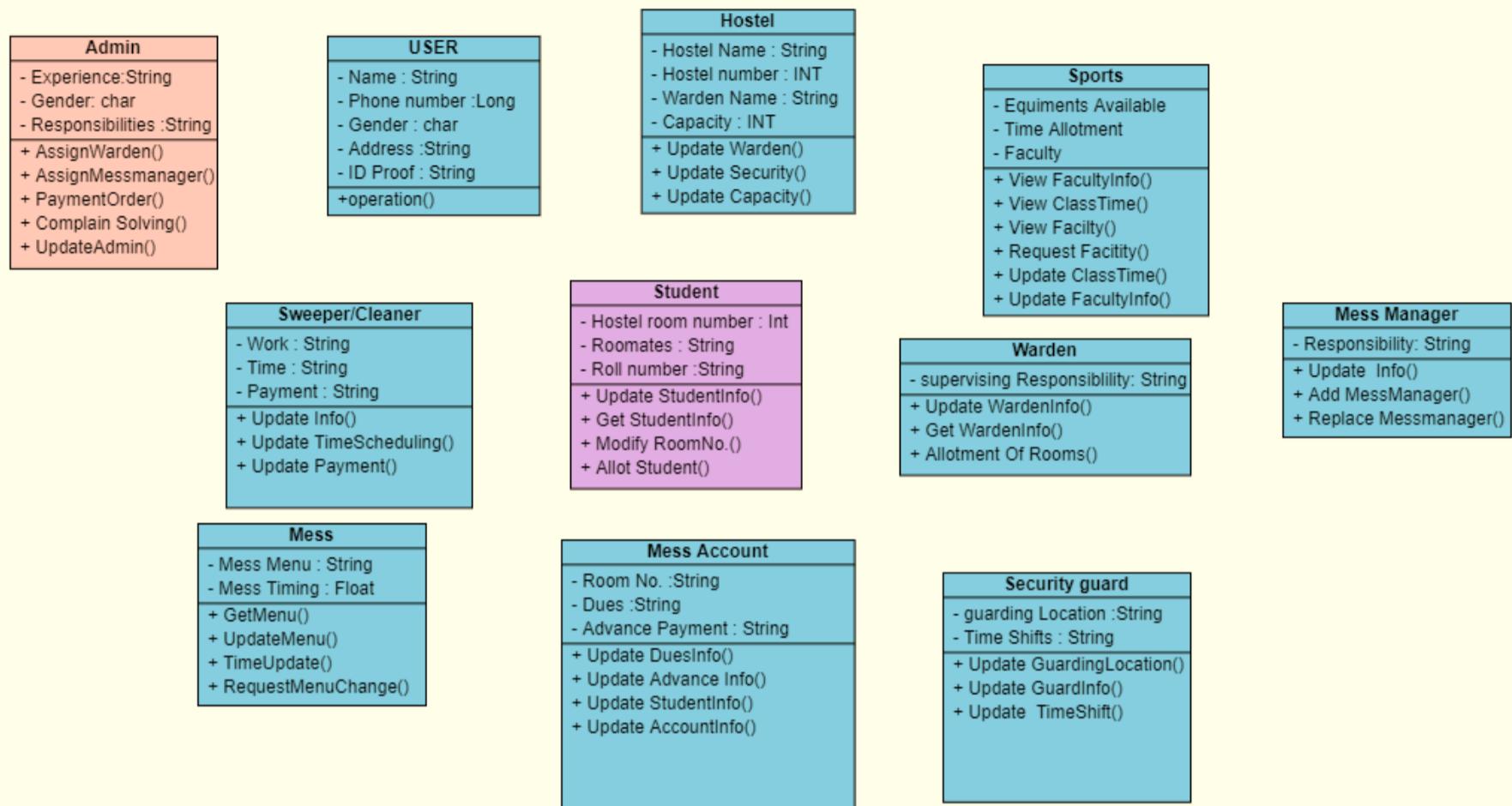
(II) EXAMINATION MODULE :-



(III) BOYS HOSTEL MODULE :-

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INDEPENDENT Class Diagram of Hostel Module

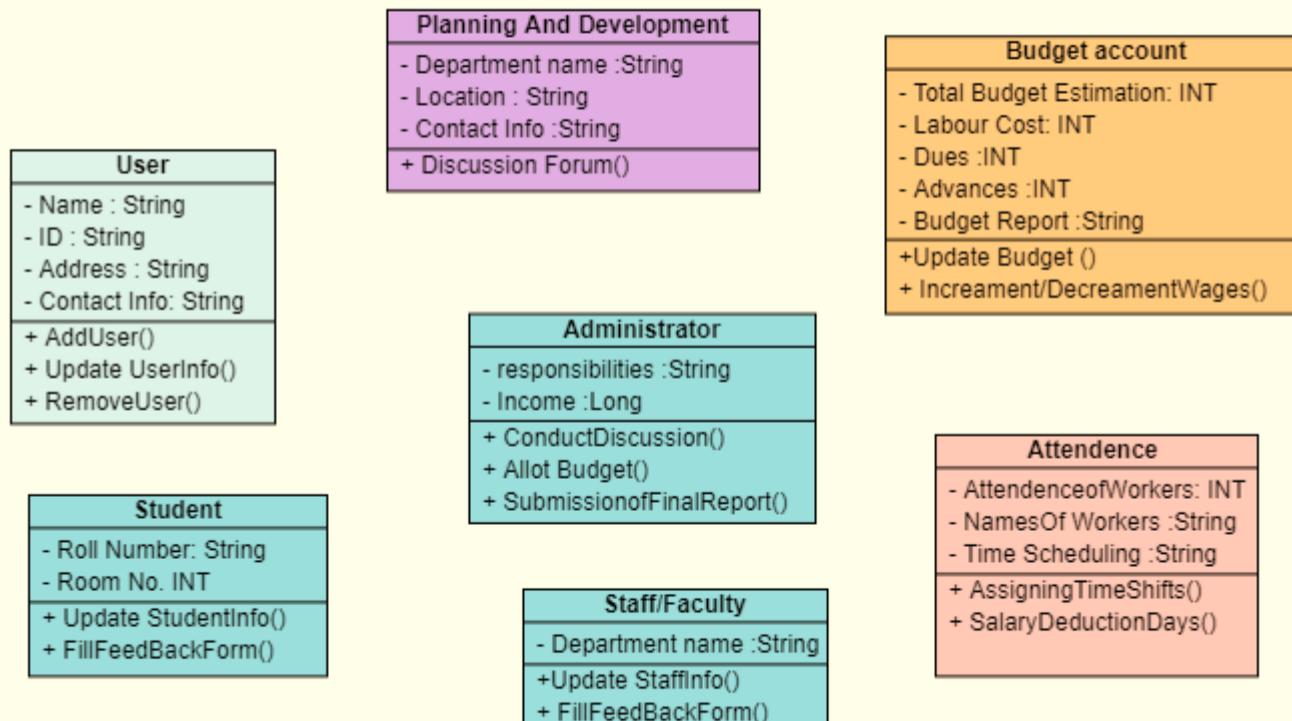


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(IV) PLANNING AND DEVELOPMENT MODULE :-

Visual Paradigm Online Free Edition

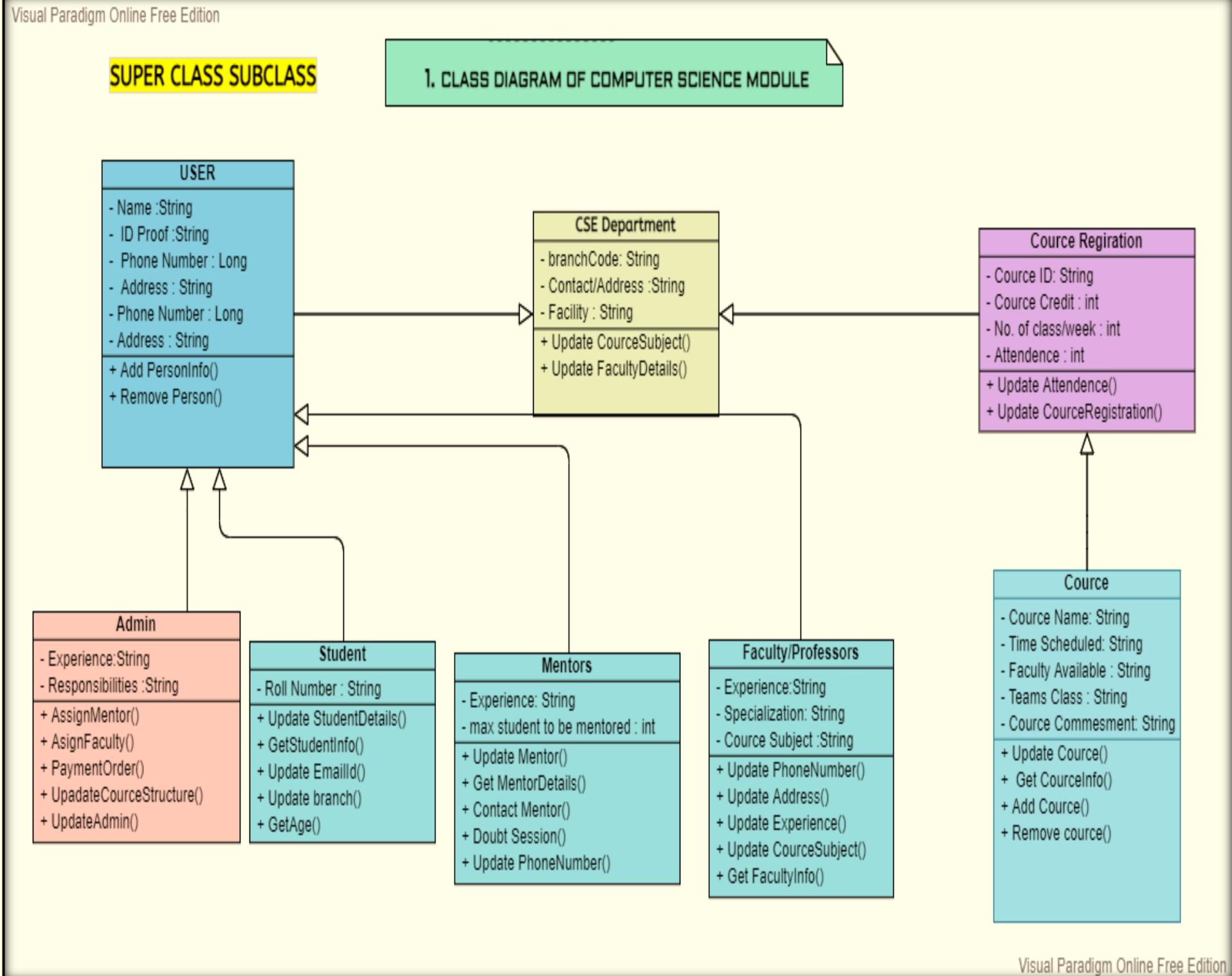
INDEPENDENT CLASS DIAGRAM OF PLANNING AND DEVELOPMENT MODULE



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(2) CLASS DIAGRAM (SUPER-CLASS SUB-CLASS)

(I) COMPUTER SCIENCE MODULE :-

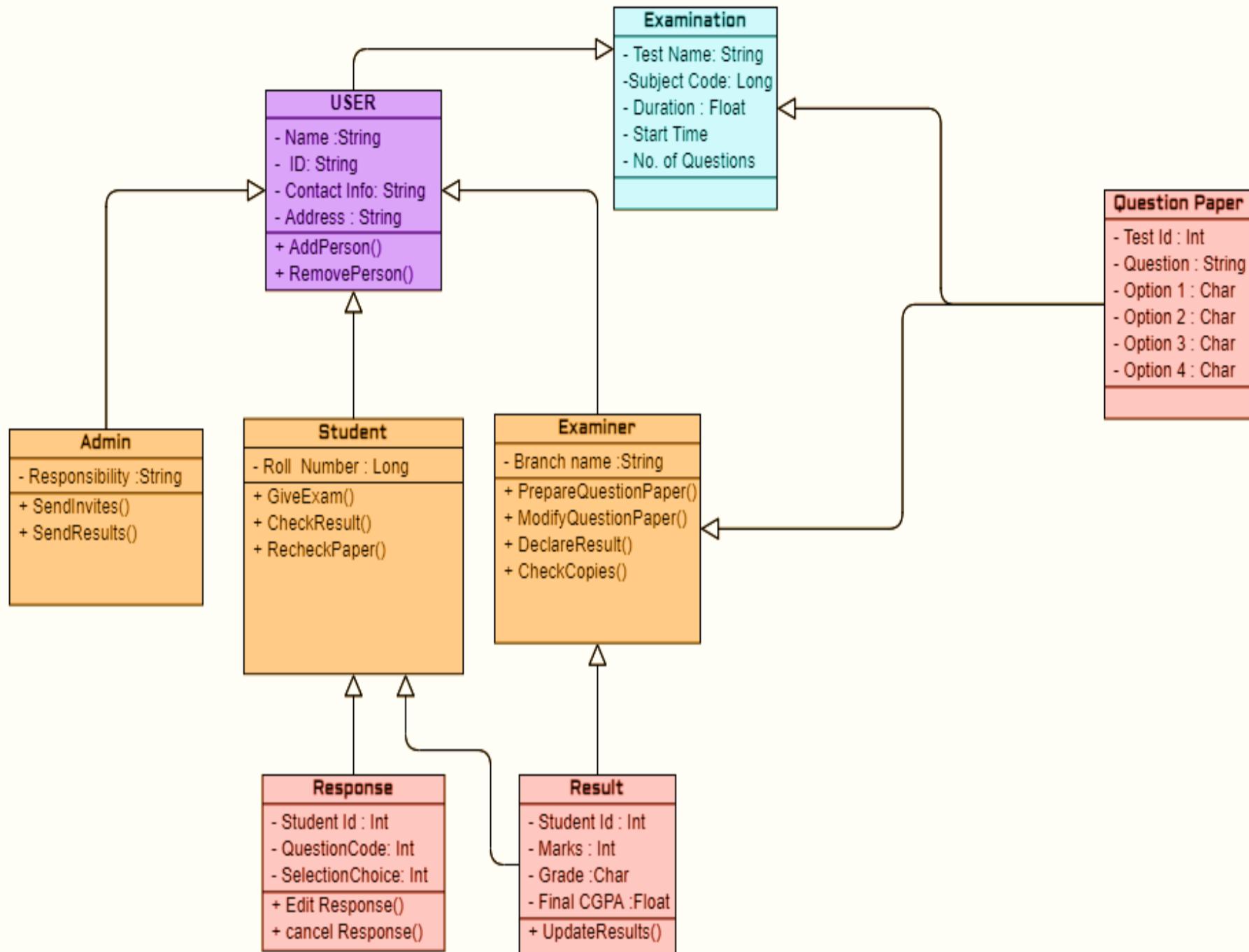


(II) EXAMINATION MODULE :-

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SUPER CLASS SUBCLASS

CLASS DIAGRAM OF EXAMINATION MODULE



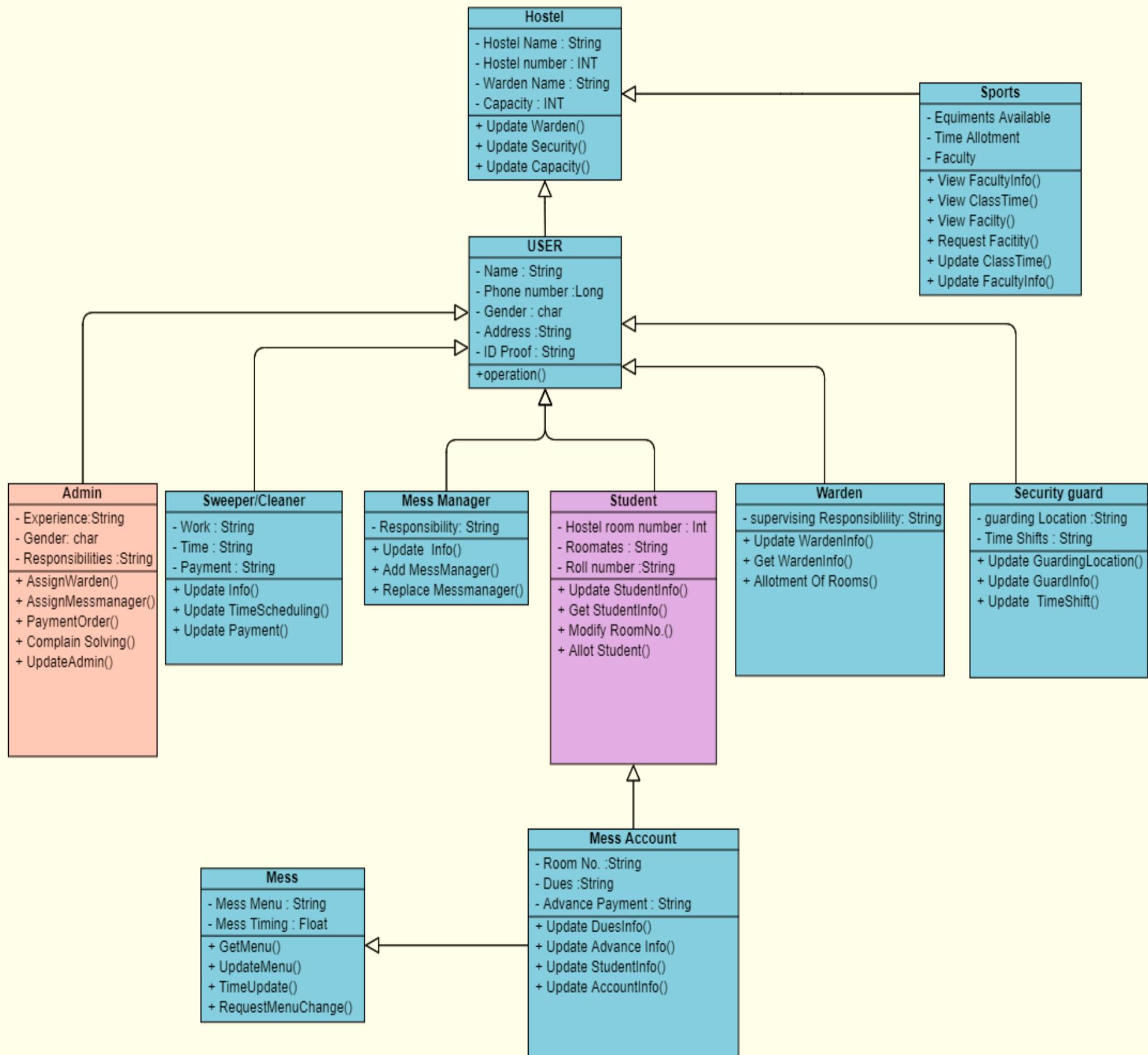
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(III) BOYS HOSTEL MODULE: -

Visual Paradigm Online Free Edition

SUPER CLASS SUBCLASS

Class Diagram of Hostel Module



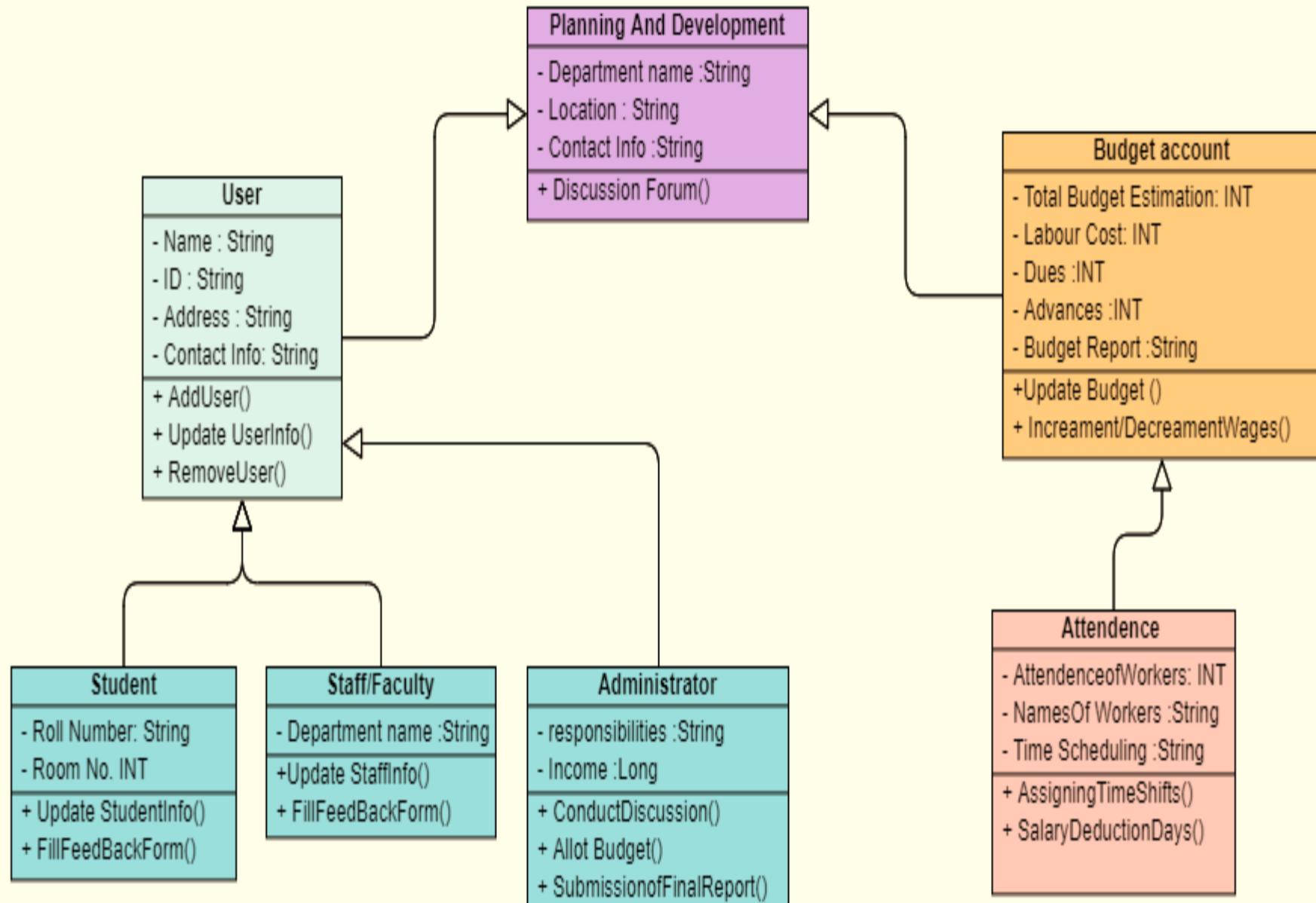
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(IV) PLANNING AND DEVELOPMENT MODULE :-

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SUPER CLASS SUBCLASS

CLASS DIAGRAM OF PLANNING AND DEVELOPMENT MODULE

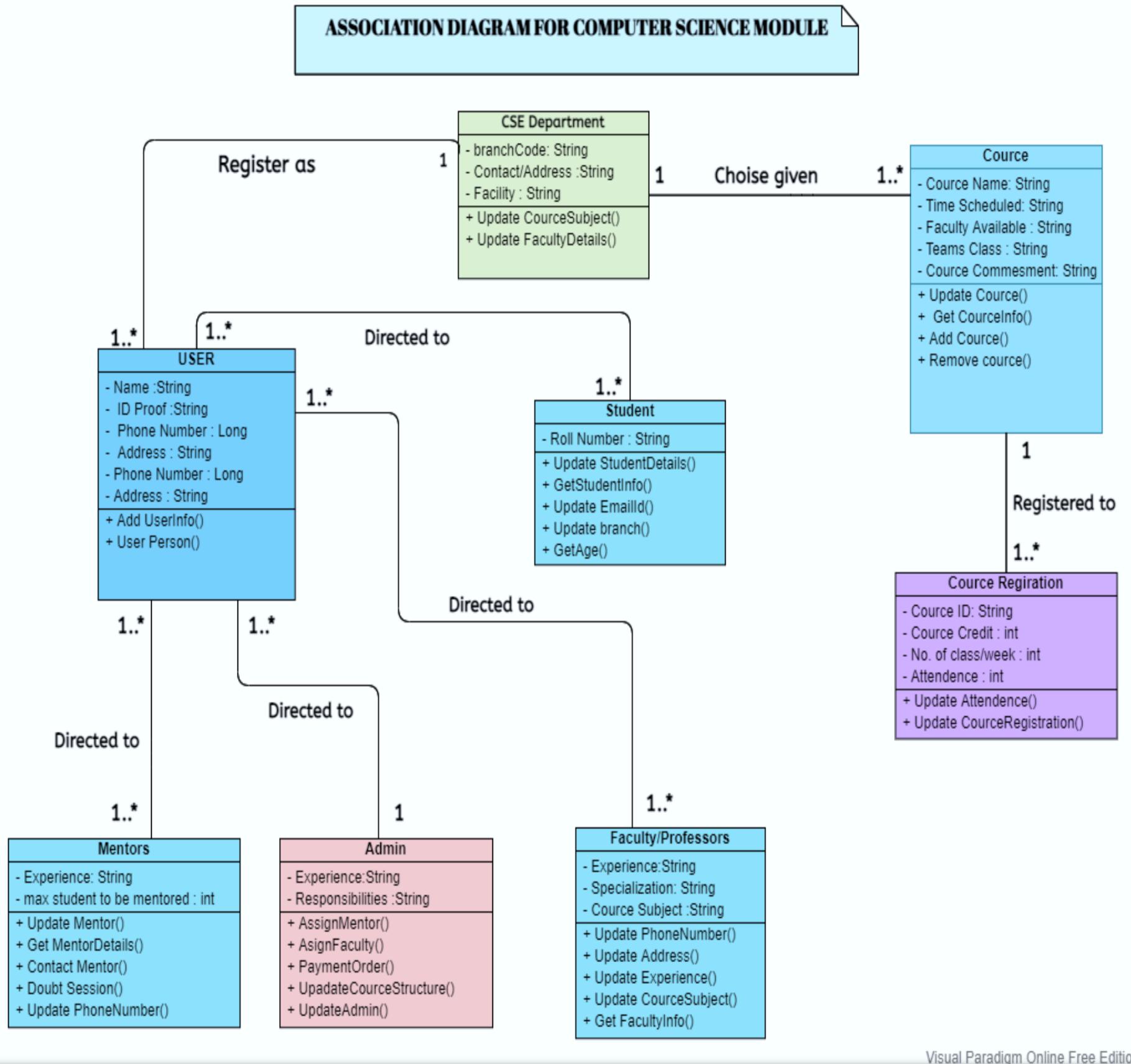


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(3) ASSOCIATION DIAGRAM :-

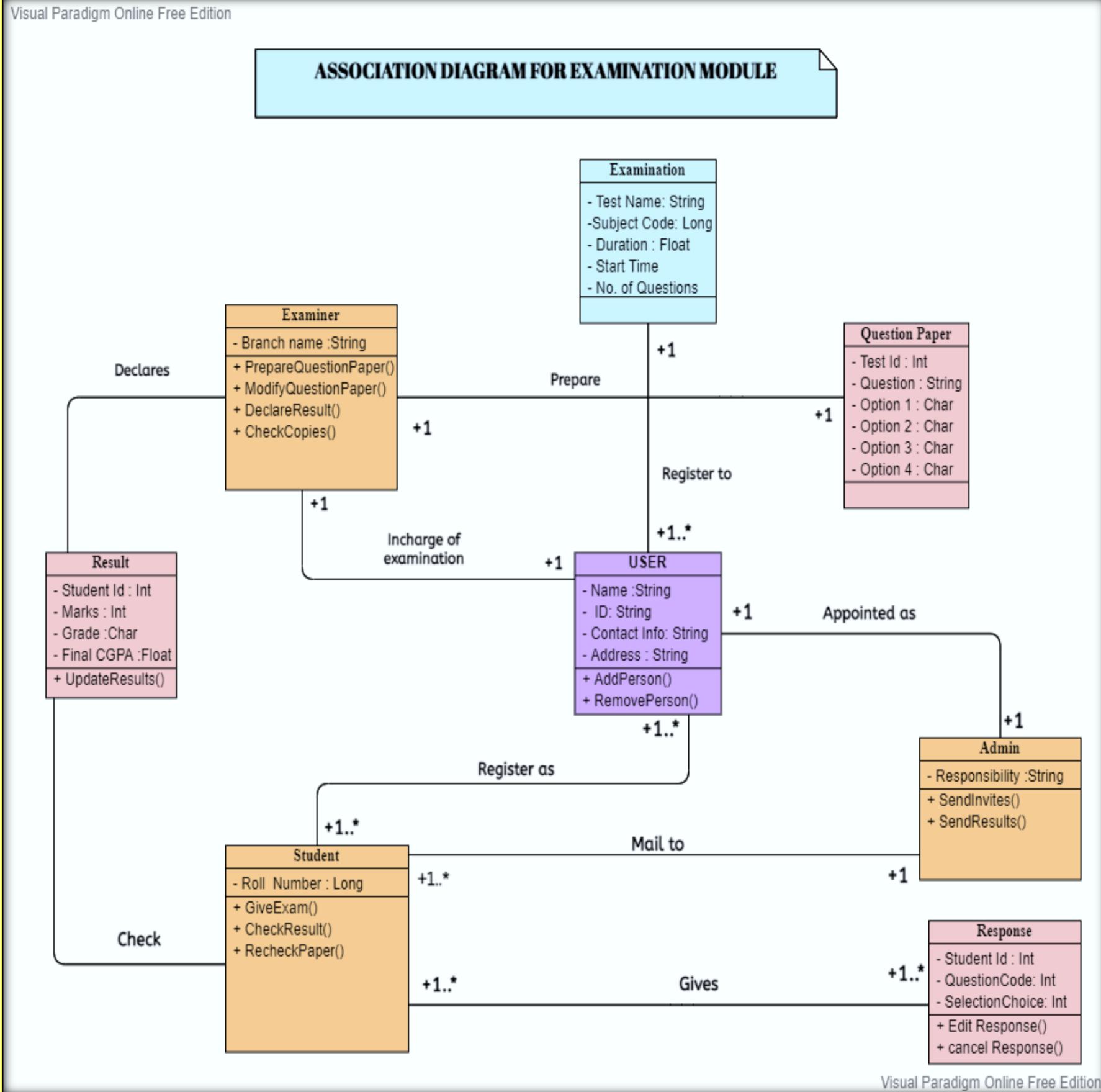
(I) COMPUTER SCIENCE MODULE :-

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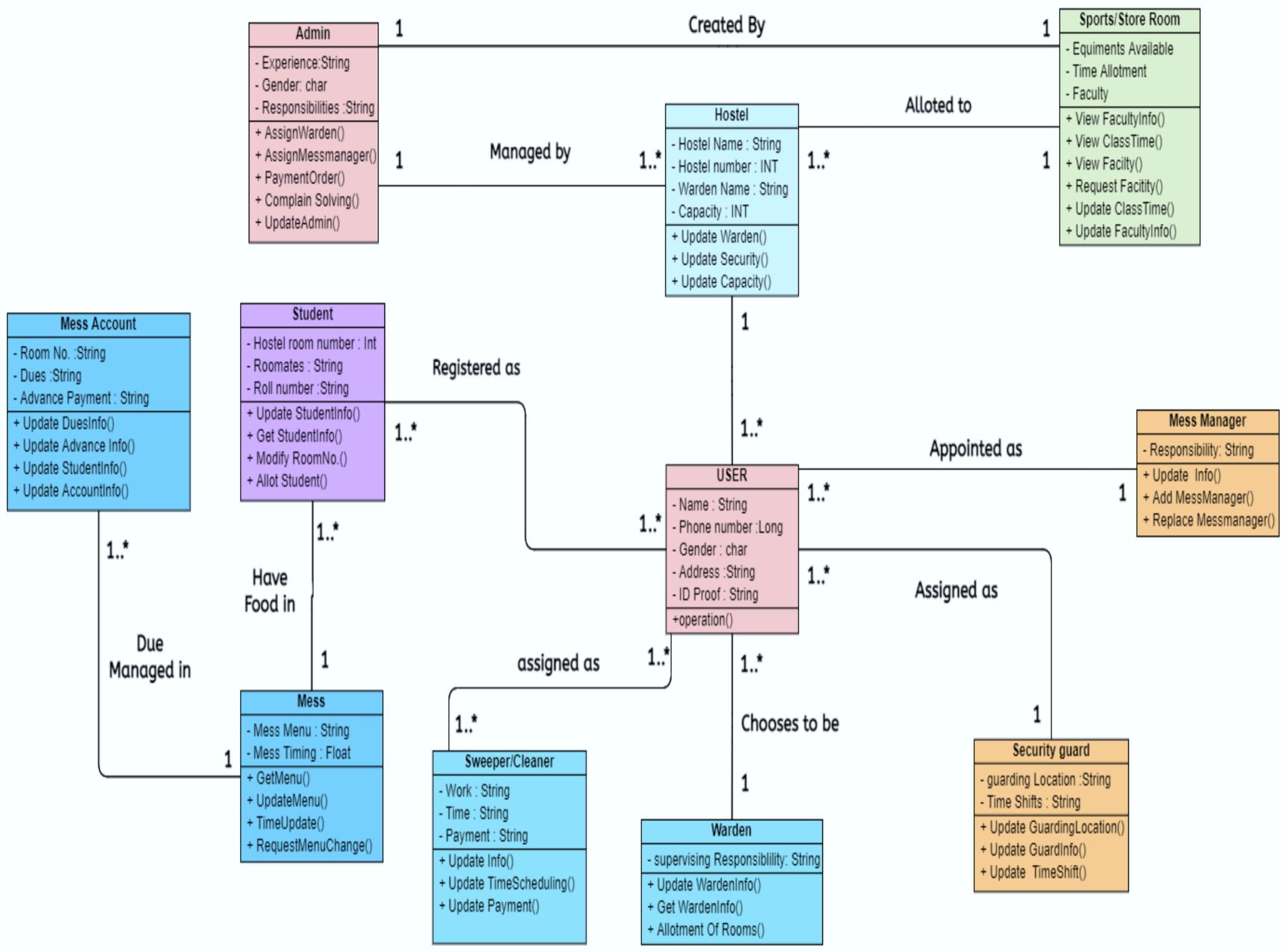
(II) EXAMINATION MODULE :-



(III) BOYS HOSTEL MODULE :-

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ASSOCIATION DIAGRAM FOR BOYS HOSTEL MODULE

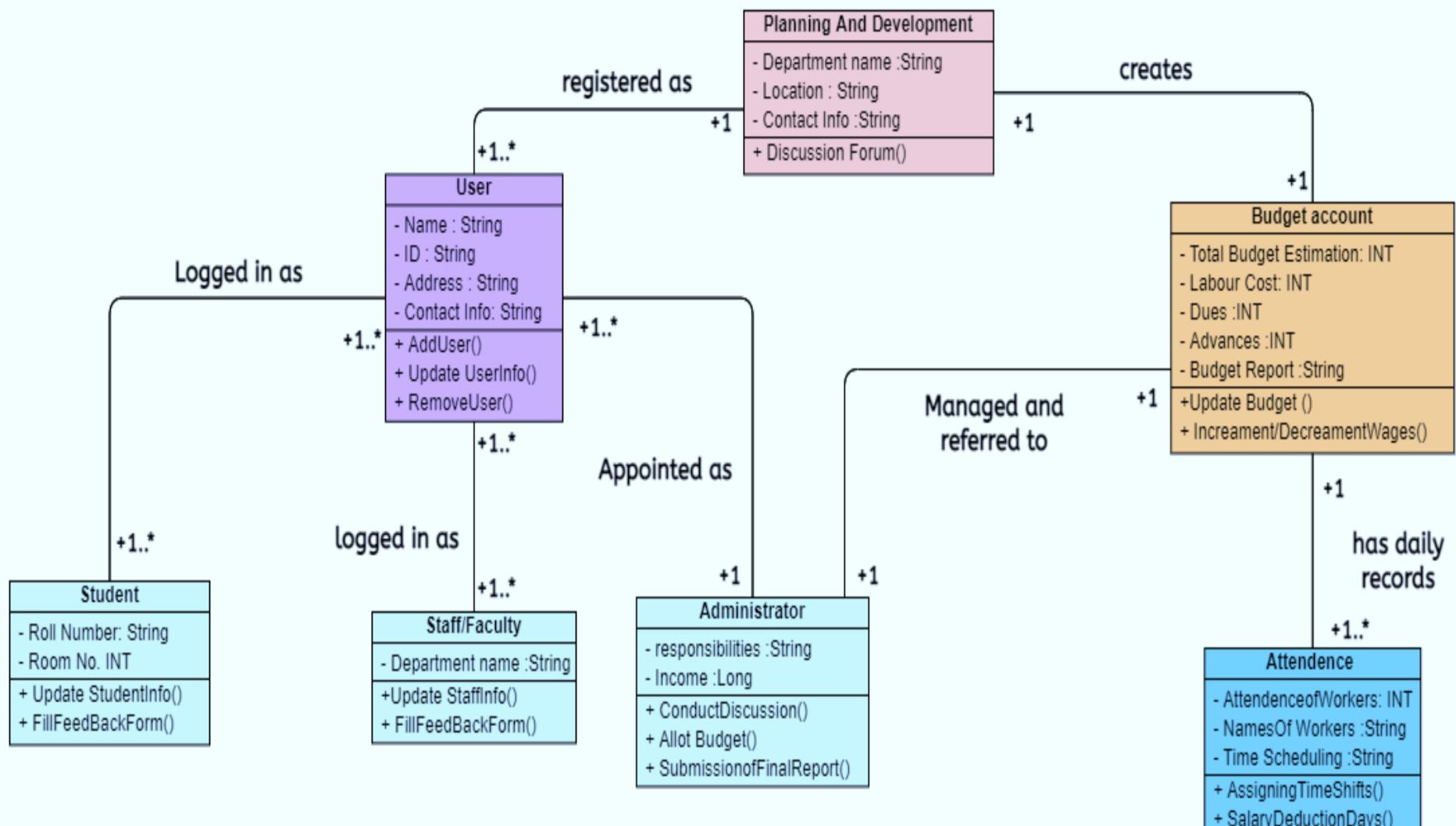


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(IV) PLANNING AND DEVELOPMENT MODULE :-

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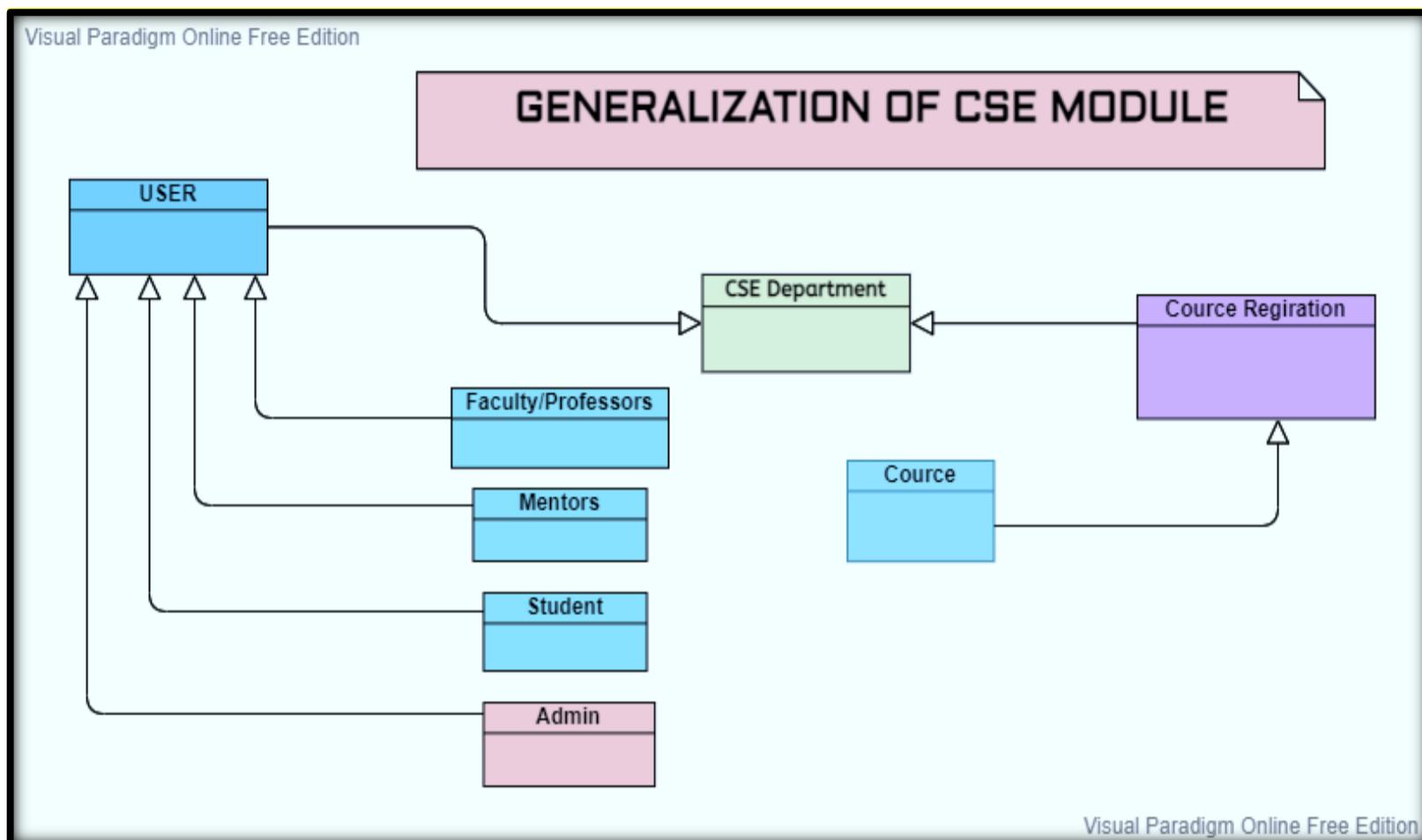
ASSOCIATION DIAGRAM FOR PLANNING AND DEVELOPMENT MODULE MODULE



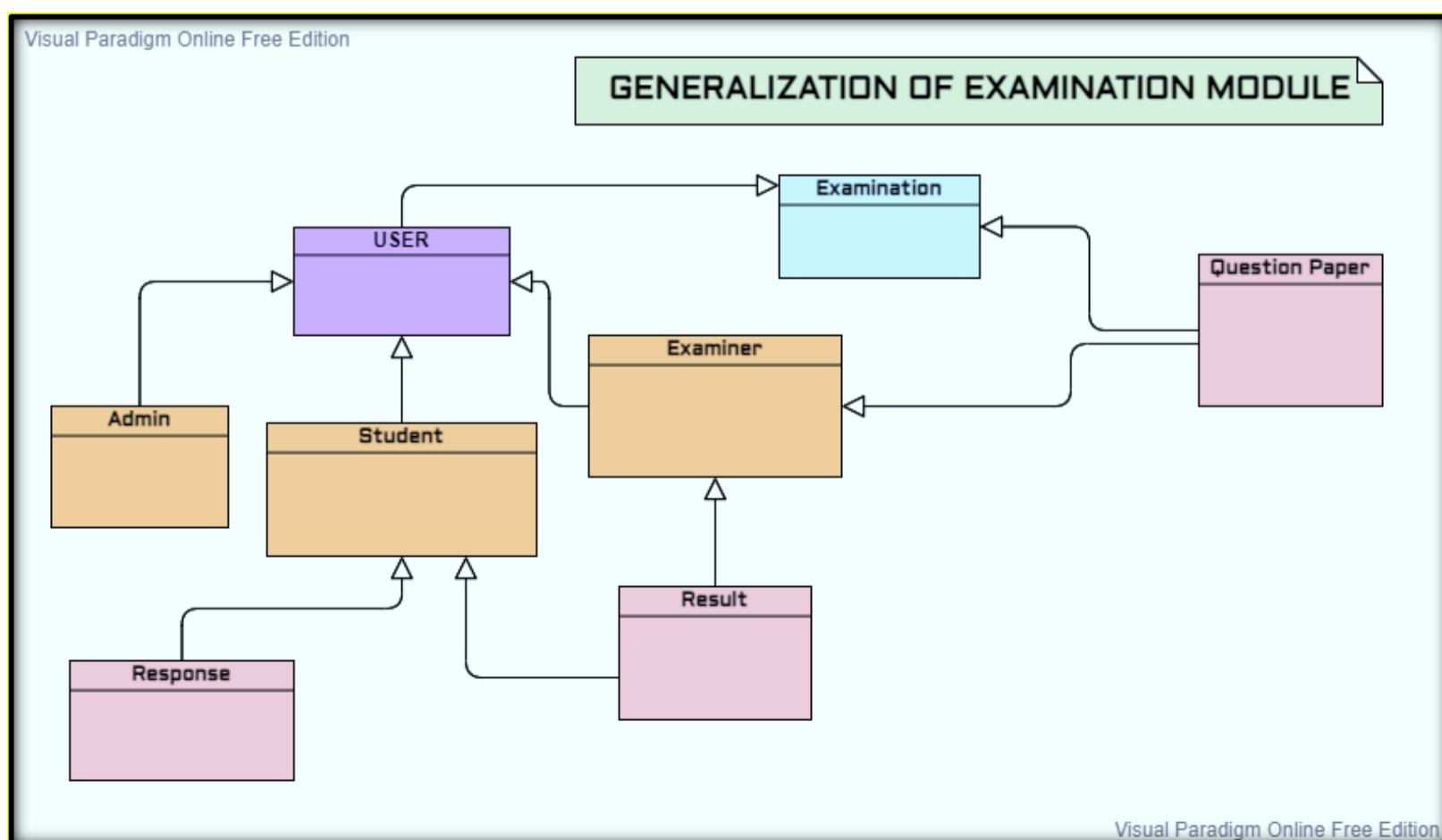
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(4) GENERALIZATION DIAGRAM FOR ALL FOUR MODULES:-

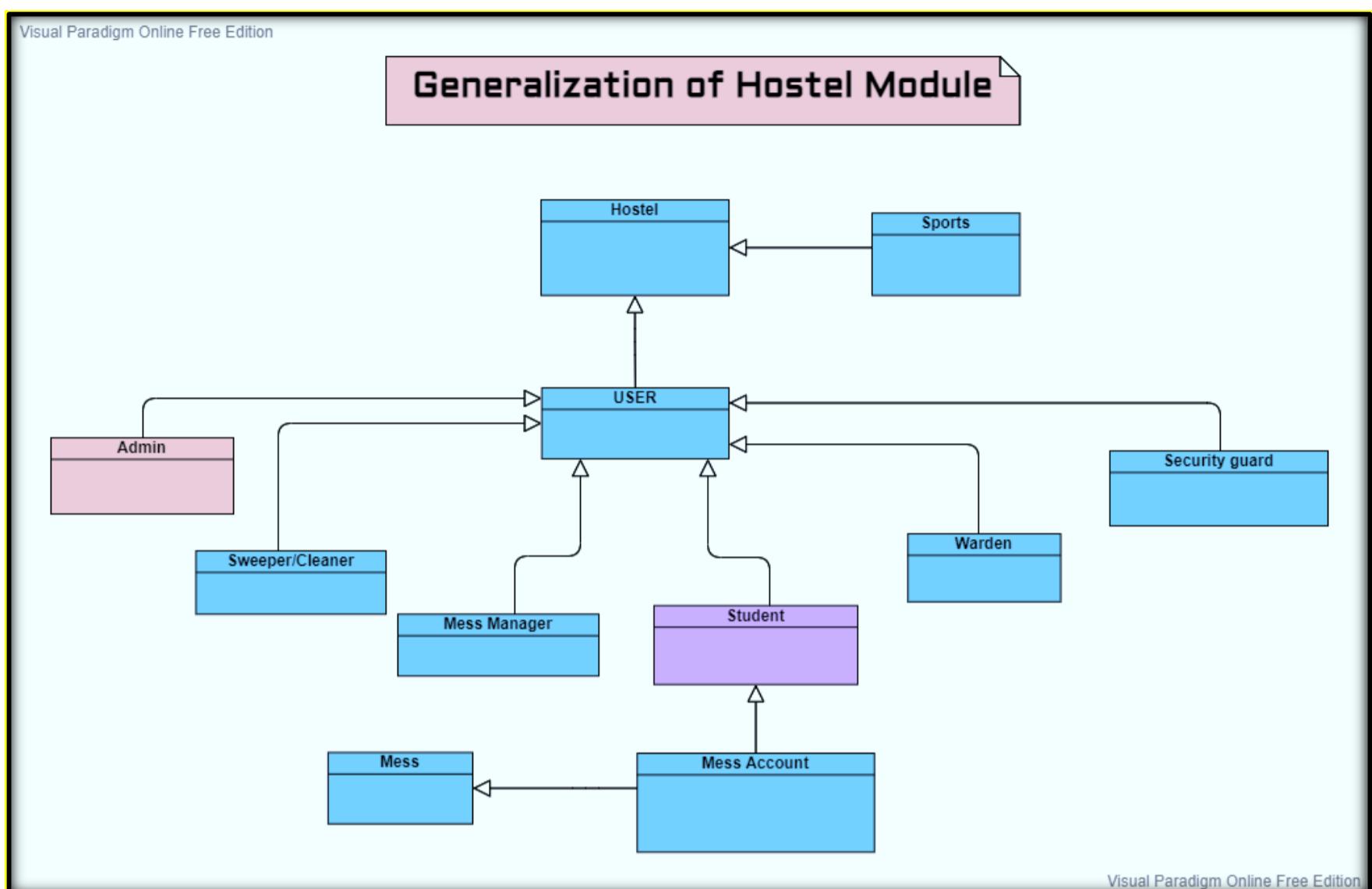
(I) COMPUTER SCIENCE MODULE :-



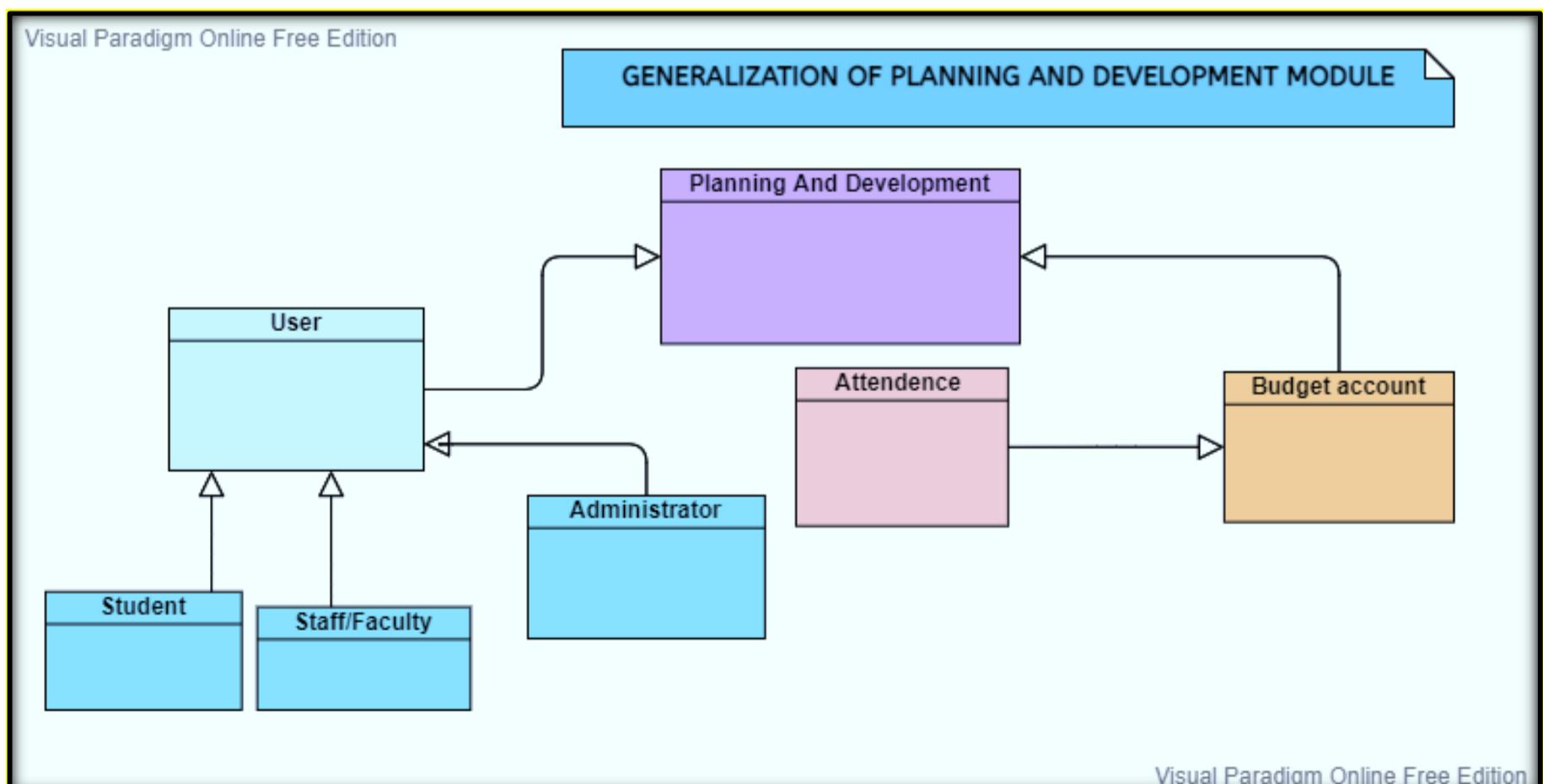
(II) EXAMINATION MODULE: -



(III) BOYS HOSTEL MODULE:-

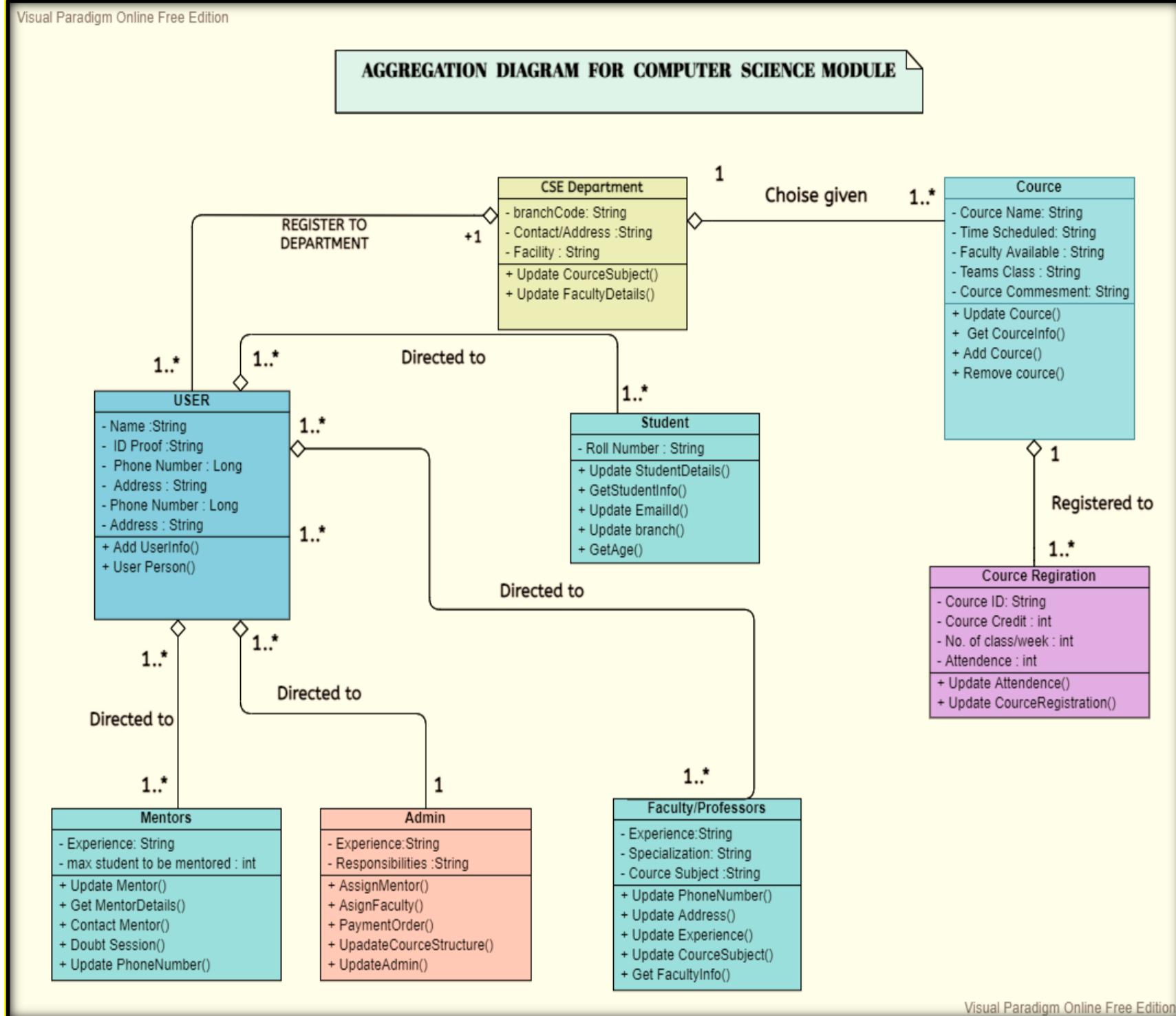


(IV) PLANNING AND DEVELOPMENT MODULE:-



(5) AGGREGATION DIAGRAM

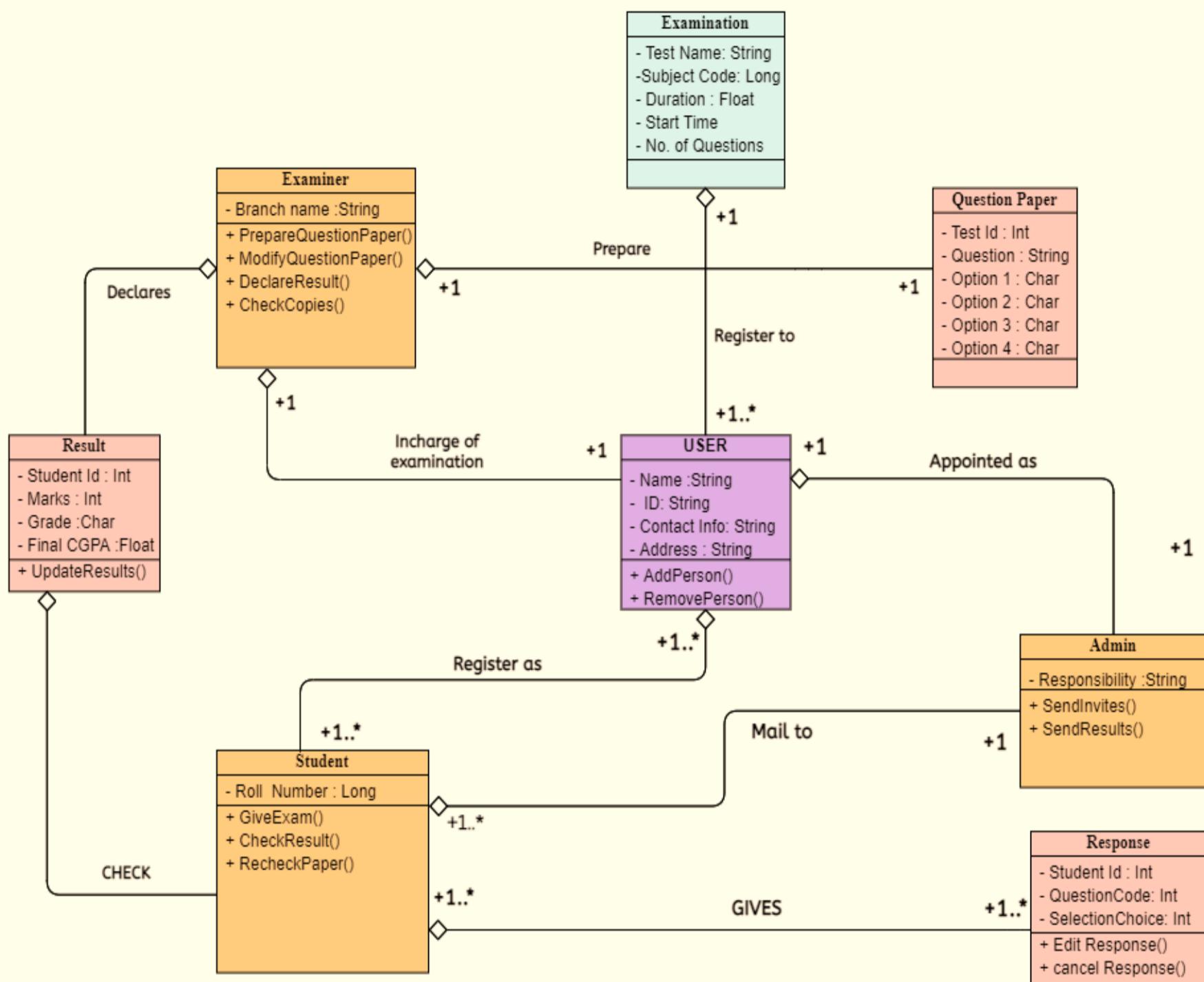
(I) COMPUTER SCIENCE MODULE :-



(II) EXAMINATION MODULE :-

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AGGREGATION OF DIAGRAM FOR EXAMINATION MODULE

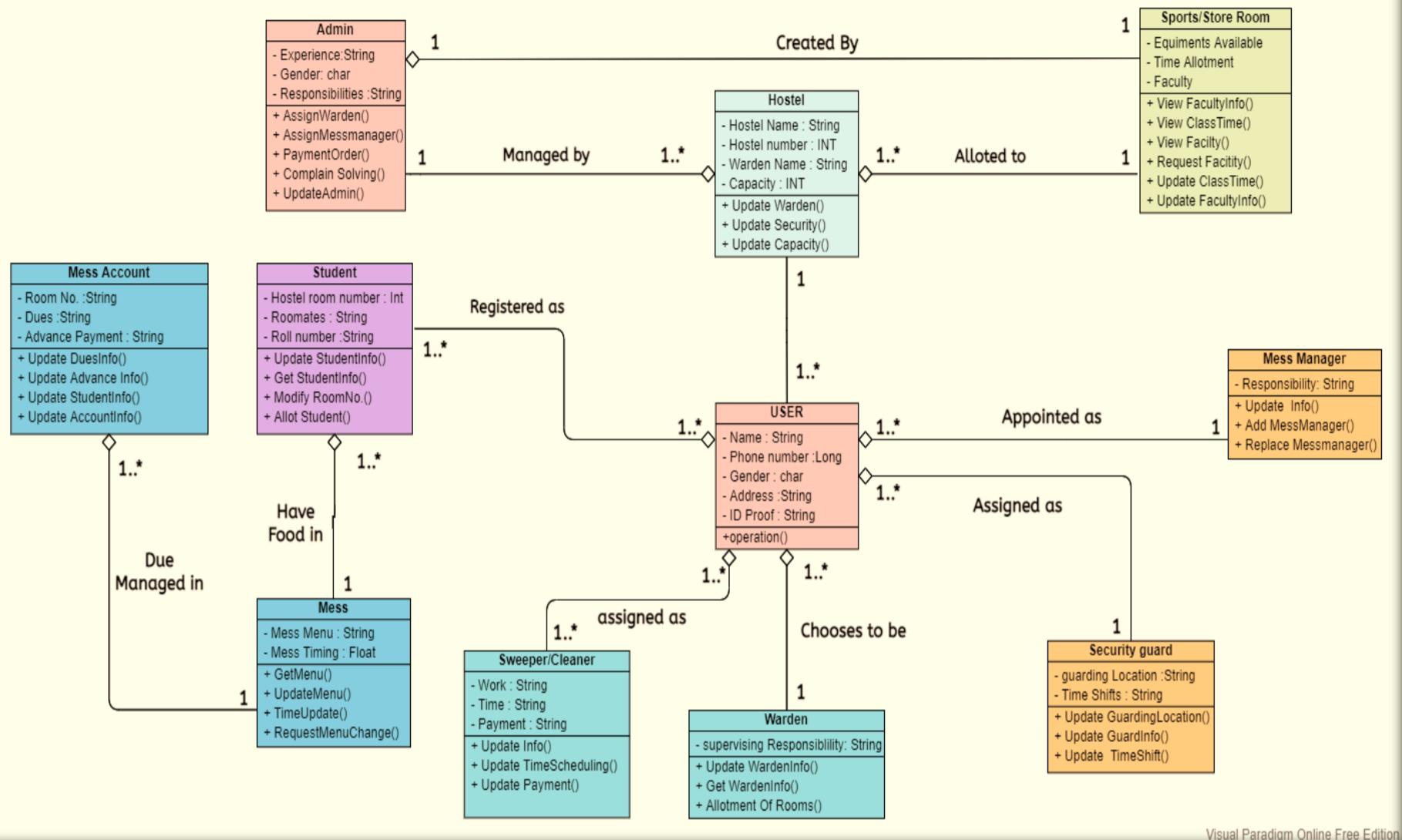


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(III) BOYS HOSTEL MODULE :-

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AGGREGATION OF DIAGRAM FOR BOYS HOSTEL MODULE

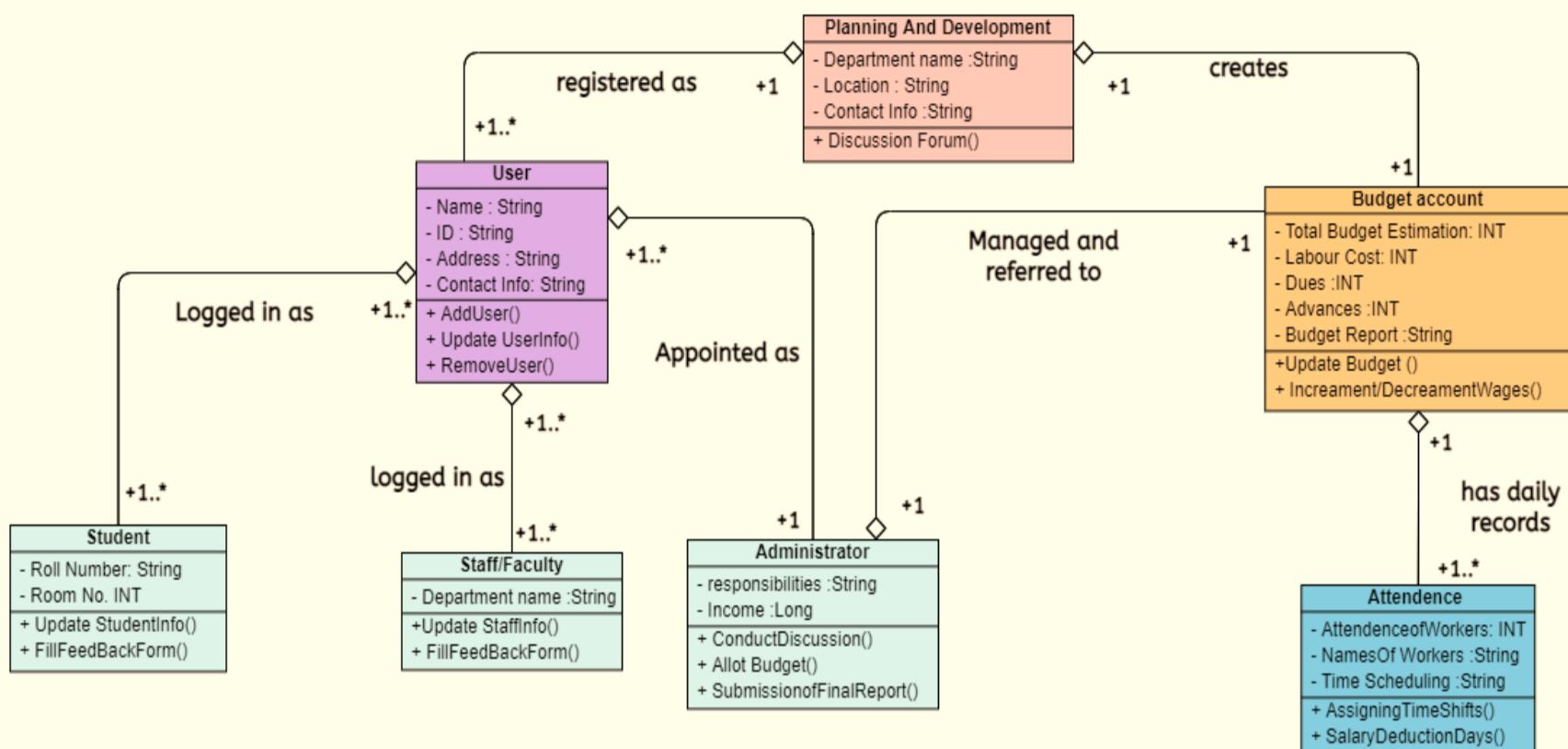


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(IV) PLANNING AND DEVELOPMENT :-

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ASSOCIATION DIAGRAM FOR PLANNING AND DEVELOPMENT MODULE MODULE



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