

# Business logic Controller Implementation Payment App.

STUDENT

Cost Controller

① Waiver

② Scholarship

③ Prev Result

Student Waiver Controller

```

Student Waiver Controller
double prevSemesterResult
void setPrevSemesterResult(double result) {
    prevSemesterResult = result;
}
double calculateWaiver() {
    double result = 0;
    if (prevSemesterResult > 80) {
        result = 100;
    } else if (prevSemesterResult > 70) {
        result = 80;
    } else if (prevSemesterResult > 60) {
        result = 60;
    } else {
        result = 0;
    }
    return result;
}

```

```

double AdditionalWaiver
void setAdditionalWaiver(double result) {
    AdditionalWaiver = result;
}
double calculateTotalWaiver() {
    double result = calculateWaiver() + AdditionalWaiver;
    return result;
}

```

SSC & HSC Based Scholarship

```

SSC & HSC Based Scholarship
void setSSCGrade(double sscGrade) {
    sscGrade = sscGrade;
}
void setHSCGrade(double hscGrade) {
    hscGrade = hscGrade;
}
double calculateScholarship() {
    double result = 0;
    if (sscGrade > 80 & hscGrade > 80) {
        result = 100;
    } else if (sscGrade > 70 & hscGrade > 70) {
        result = 80;
    } else if (sscGrade > 60 & hscGrade > 60) {
        result = 60;
    } else {
        result = 0;
    }
    return result;
}

```

Waivers

```

Waivers
List of Available Waiver Percentage
double calculateTotalWaiver() {
    double result = 0;
    for (int i = 0; i < waivers.size(); i++) {
        result += waivers.get(i).getPercentage();
    }
    return result;
}

```

Additional Waiver

User Input UI

Student

Cost Controller

OUTPUT SCREEN

Input model

demo First Page