PROPOSAL

SUBJECT : OBJECT-ORIENTED PROGRAMMING

TITLE : UniPower APP

LECTURER'S NAME : DR NORDIN ZAKARIA

TEAM MEMBERS :

NAME	STUDENT ID
MUHAMAD ADAM IRFAN BIN MOHD NIZAM	22006433
AHMAD NUR ILHAM BIN SYUKRI	22002574
MOHAMAD ILHAM BIN MOHAMAD IDRUS	22006703
MOHAMAD SYAZWI IRFAN	22002623
ALIF AMIRU BIN MOHD ZAKI	22007117
NORAFIDAH BINTI KAMARULZAMAN	21001834
NUR DINA MYSARAH BINTI MUHAMAD FAIRUZ	21001781
ALIA MAISARA BINTI HAIRI	21001799
NUR FATIHA FITRI BINTI AHMAD ZUBAIRI	21001815

This is the Student Information class of those who are found anonymous in the university and they are not able to find who is the owner of the phone . They might use these basic features to identify whoever is the owner of this phone via this application . (Adam Irfan)

Student_Information (Adam Irfan)
~ StudentID : String ~ StudentFaculty : String ~ StudentProgramme : String ~ StudentYear : String ~ StudentSemester : String ~ToDoList : to_do_list
~ setName(Name name) : void ~ getName() : Name ~ setStudentID(String StudentID) : void ~ getStudentID() : String ~ setStudentFaculty(String StudentFaculty) : void ~ getStudentFaculty() : String ~ setStudentProgramme(String StudentProgramme) : void ~ getStudentProgramme() : String ~ setStudentYear(String StudentYear) : void ~ getStudentYear() : String ~ setStudentSemester(String StudentSemester) : void ~ getStudentSemester() : String ~ setToDoList(to_do_list ToDoList) : void ~ getToDoList() : to_do_list

This application has a 'to do list' so that students know their daily tasks such as completing assignments , studies and homeworks . (ilham syukri ,ilham Idrus ,Alia)

Task Extend TaskType (Ilham Syukri)
~ Description: String ~ dueDate : LocalDate ~ Complete : boolean
~ get Description() : String ~ set Description (description: String) : void ~ get DueDate() : Date ~ set DueDate(dueDate : int year, int month, int dayMonth) : void ~ get Complete() : boolean ~ set Complete (complete: Boolean) : void ~ createtask : void

To-Do list (Alia)
~ task : ArrayList<Task>
~ addTask(task: Task): void ~ removeTask(i: int): void ~ editTask(task: Task, i: int): void ~ getTask(i: int) : ArrayList<Task> ~ getIndex(i: int) : void

TaskType (Ilham Idrus)
~ Type : ArrayList<String>
~ addType(type : String): void ~ removeType(type : String):void ~ getType() : ArrayList<String> ~ getIndex(int index): void

This application also has the ability to do CGPA calculation and at the same time, students may record their past exam grade through this application to make sure they can have a better track in their academic records. (Amiru,dina,fatiha)

CGPA (Dina, Fatiha)
~ creditHour: Int ~ fullCreditHour: int ~ grade: string ~ numOfSubject: int ~ gpa: double ~ point: double ~ totalPoint: double: ~ list: double[]
~ calcGPA: float ~ add: void ~ displayGPA: void

ListOfCGPA (Amiru)
~numOfSemester: int ~cgpa: double ~gpa: double ~totalGPA: double
~calcCGPA: double

This application consists of customizable reminders and schedules which can help students to identify which day and time they would be having their exams , assignments , assessments and classes .

Subject (Airiel)
~ subjectName: String ~ description: String ~ lecturer: ArrayList<Lecturer> ~ venue: String ~ creditHr: int
~ setSubjectName(String: subjectName): void ~ setDescription(String: description): void ~ setLecturer(ArrayList<Lecturer>: lecturer, int: index): void ~ setVenue(String: venue): void ~ setCreditHr(int: credit): void ~ getSubjectName(): String ~ getDescription(): String ~ getLecturer(ArrayList<Lecturer>: lecturer, int: index): ArrayList<Lecturer> ~ getVenue(): String ~ getCreditHr(): int ~ createSubject : void ~ displaySubject : void

Lecturer (Syazwi)
~ name: Name ~ officeAddr: String ~ officeNum: String ~ phoneNum: String ~ email: String
~ setName(name:Name): void ~ setOfficeAddr(): void ~ setOfficeNum(): void ~ setPhoneNum(): void ~ setEmail(): void ~ createLecturer : void ~ displayLecturer : void

SetSchedule (Norafidah)
~ daysOfWeek: ArrayList<String> ~ startTime: LocalTime ~ endTime: LocalTime ~ subjectName: ArrayList<Subject>
~ getDaysOfWeek(i : int): String ~ setDaysOfWeek(daysOfWeek: List<Day>): void ~ addDaysOfWeek(daysOfWeek: List<Day>): void ~ getStartTime(): LocalTime ~ setStartTime(startTime: LocalTime): void ~ getEndTime(): LocalTime ~ setEndTime(endTime: LocalTime): void ~ addSubject(ArrayList<Subject>: subjectName): void ~ removeSubject(ArrayList<Subject>: subjectName): void ~ getindexsubject(Subject: subjectname):void ~ getindexDay(day : String) : void

Reminder (Syazwi)
~ dueDate: LocalDate ~ task: Task
~ setDueDate(int year, int month, int dayMonth):Task ~ getDueDate(): Task

Name (Ilham Syukri)
~ fName:String ~ mName:String ~ lName:String
~ setfName(fName:String):void ~ setmName(mName:String):void ~ setlName(lName:String):void ~ getfName():String ~ getmName():String ~ getlName():String ~ format() : void

Meeting Picture :-