

# GetLamd Design Document

The application is a teacher-side and student side application. The first product increment is the basic teacher side.

## Teacher Application

### Important Features

#### **Core Entities**

##### **Instructor**

1. Full Name(Arabic + Hebrew)
2. National ID number → This will be the username
3. Password
4. DOB
5. Permit Number
6. Permit Expiration Date
7. School
8. Picture --> Not mandatory
9. Vehicles
10. Subscription Expiration Date
11. Billing Info --> Not functional for later
12. Phone Number(s)
13. Working days and hours
14. Gender
15. Billing Info
16. Email
17. Reservation Allowed?
18. Allow SMS?
19. Terms Agreed Upon(with student)

##### **Billing Info**

1. PO box
2. Area Code
3. Necessary info from the Instructor

**Bill**

1. Next Due Date
2. Amount
3. Payment Method
4. Billing Info
5. Number of Months
6. Is Paid
7. Is Recurring
8. Name of school and instructor who issued it

**Vehicle**

1. Gear/Automatic
2. License number
3. Permit Number
4. Permit Expiry date
5. Car Make
6. Car Model
7. Car Color
8. Vehicle Type(Motor,private,taxi,bus)
9. Students
10. Addition Date
11. Is Personal Use?
12. KM when work was started
13. Attachments
14. Car Insurance(Type/Company Name/Company number/ Expiration Date)
15. Car Cameras(Number/Company Name/Company number)

**Workday**

1. Date
2. Starting KM
3. Vehicle
4. Starting Time
5. Finishing Time → not mandatory
6. Finish KM → not mandatory
7. Workday Notes

**School Vehicle**

1. School
2. Vehicle
3. Instructors

#### **Instructor Vehicle**

1. Instructor
2. Tax ID
3. Accountant

#### **Vehicle Settings**

1. How much to charge/lesson → determined by school if owned by school
2. What is the usual lesson length → determined by school if owned by school
3. working hours + breaks → determined by school if owned by school
4. Trail test usual length → determined by school if owned by school
5. Real test usual length → determined by school if owned by school
6. Instructor
7. Vehicle

#### **Vehicle Maintenance Action**

1. Date
2. Notes
3. Expense

#### **Work Expense**

1. Date
2. Attachment
3. Amount
4. Invoice ID(Not needed)
5. Notes

#### **Personal Expense**

1. Date
2. Attachment
3. Amount
4. Invoice ID(Not needed)
5. Notes

**Appointment** --> student gets notification by appointment + number of other students

1. Work Day
2. Lessons
3. Tests
4. Trial Tests
5. Greetings
6. Other Conditions
7. Students
8. Location of Appointment--> optional
9. Start Time
10. End Time
11. Location
12. Was Late?

### **Lesson**

1. Appointment
2. Student
3. Attendance
4. Payment Receipt
5. Is Canceled
6. Is Paid
7. Student Task(s) Covered(as List)

### **Other Conditions**

1. Appointment
2. Notes

### **Student Card**

1. StudentId
2. Card Details(as JSON array)

### **Test**

1. Appointment
2. Student
3. Pass/Fail
4. Attendance
5. Payment Receipt
6. Mistakes
7. Is Canceled
8. Is Paid

### **Trial Test**

1. Appointment
2. Student
3. Pass/Fail
4. Attendance
5. Is Canceled
6. Mistakes
7. Is Paid to School
8. Is Paid

### **Greeting**

1. Appointment
2. Done/Not done

### **Student**

1. Full Name(Arabic + Hebrew)
2. National ID Number → Will be username
3. Password
4. DOB(cannot ask for test before 16 and 9 months)
5. Tofus(Permit Number)
6. Tofus Expiry(Permit Expire)
7. Eye Medical Exam Expiry Date
8. General Medical Exam Expiry Date
9. DMV Verification Date --> Mandatory
10. Teoria Expiry Date
11. Learning Type(A-->motor,B-->private,C-->trucking,D-->Bus)
12. Student Type(license renewal, european to israeli license)
13. Lessons
14. Gender
15. Tests Taken
16. Trial Tests Taken
17. Phone Number(s)
18. Previous Licenses --> Type + License ID
19. Student Type(مقاوله\عادي)
20. Number of Tests Allowed(بحالة المقاوله)
21. Number of Lessons Allowed(بحالة المقاوله)
22. Debt
23. Attachment
24. Student Language(arabic/hebrew/english)

**Attachment**

1. File
2. Canonical Name
3. System Name
4. Date of entry

**School**

1. Name
2. Official Name
3. Phone Number(s)
4. School Fees(goes to expenses every month)
5. School code fees(for information)
6. Trial Test Fees

**Payment Receipt**

1. Student
2. Lesson(s)
3. Trial Test(s)
4. Test(s)
5. Notes
6. Amount Paid
7. Date

**Acquittance**

1. Payment Receipt
2. Date
3. Student Profile(tests,lessons,dates,etc)

**Accountant**

1. Email
2. Name
3. Office

## Requirements

### User : System

1. The system must be capable of sending emails
2. The system must be capable of sending text messages
3. The system must be capable of sending smartphone notifications

### User : Instructor

1. The instructor must be able to log in
2. The instructor must be able to update their details
3. The instructor must be able to create and delete appointments → must confirm them first
4. The instructor must be able to start the workday by entering his current car KM
5. The instructor must be able to create and view student profiles
6. The instructor must be able to get student reports(financial and learning reports)
7. The instructor must be able to see and update the student card
8. The instructor must be capable of receiving reminder notification for appointments
9. The instructor must be able to register a lesson, test, or trial test as paid, paid with invoice, unpaid.
10. The instructor must be able to cancel and postpone tests,trial tests, and lessons
11. The instructor must be able to notify students of a delay
12. The instructor must be able to set a test and trial test as passed or failed, and if failed, must be able to enter the reason for failure
13. The instructor must be able to create Tax and Slip Invoices
14. The instructor must be able to check off learning goals from a student card
15. The instructor must be able to see the current progress in the student card as a percentage
16. The instructor must be able to agree an acquittance with a student(reducing his debt to zero and producing a report of his lessons/tests/etc).
17. The instructor must be able to print receipts on a bluetooth or wifi printer.
18. The instructor must be notified that their insurance is about to expire.
19. The instructor must be able to extract his data from the software(His details + Lessons + Histories)
20. The instructor must receive a notification one hour before his first lesson of the day.
21. The instructor must be able to change the students involved in an appointment
22. The instructor must be able to send to the student which part of the learning process he has completed(out of three)
23. The instructor must be able to see the student's activity levels.
24. The instructor must be notified every 2 months to do his taxes for the last 2 months
25. The instructor must be notified every august to do his taxes for the last year
26. The instructor must be able to send all his invoices and costs to an accountant via email.

**User : Student**

1. The student must be capable of receiving notifications for appointments(creation/deletion/postponed/reminders)
  - a. Students Should get a reminder for a lesson 3 hours in advance
  - b. Students should get a reminder for a test 3 hours in advance, in addition to a list of what they must bring
2. The student must be able to receive receipts via email.
3. The student must be able to be notified of his learning progress
4. Students should be able to reserve appointments at some point in the future, so only do it on the backend. There should be random number generation for when they subscribe
5. The student must receive the teacher's terms via SMS after the third lesson
6. The student must receive the final test's terms via SMS before the test.