

Task Completion Report with Payment Notice

Dear LexNepal Institute of Law,

* Technical Terms used:

1. **API** - Application Programming Interface is the modern technique to communicate one system with another system. In our case, we used an API to communicate Mobile App, Admin panel with Backend System and database.
2. **Hashed** - An **ISO/IEC 10118** certified standard to securely store the student password in our system so that even we cannot directly view the password as normal text. So that even if the data bridge occurred, no one can access our student account.

Here are the tasks completed:

a. Mobile App (Android)

- i. Mobile App Login, Register.
- ii. Profile Section with Contact US, Privacy Policy, Terms and Conditions in mobile app.
- iii. Layer 1 listed in the Home Page.
- iv. Layer 2 inside Layer 1 listing similarly, with all respective layers patterns.
- v. Layer related PDF / Notes.
- vi. Students can join live classes via Zoom directly from the app.
- vii. Students can download related PDF/Notes
- viii. Videos are listed inside Layers as by Admin.
- ix. Screenshot and ScreenRecording Block and cannot be taken through the app.
- x. Video Playing with Youtube Link with features like full screen mode, orientation changes, etc.
- xi. Youtube video playback speed can be controlled by students
- xii. The YouTube link is encrypted to enhance security.
- xiii. The youtube video has the feature to zoom as well so that the students can zoom in the actual content.
- xiv. Student can custom video player with quality selection also audio selection
- xv. Each and every thing that gives the hint of YouTube in the app is hidden.
- xvi. Courses are shown based on Layer 1.
- xvii. In the course description, students can play a promotional video which is uploaded from the admin panel.
- xviii. Language, validity, description, instructor image, instructor name, top reviews, FAQ's, Syllabus, price with discount of the course is shown to the student in the app.
- xix. Students can now participate in scheduled live tests.

- xx. students can now access and attempt full-length test sets.
- xxi. Students can now participate in a subjective test where instructors can review, give feedback, and assign marks manually for personalized evaluation.
- xxii. Chapter test Listing completed.
- xxiii. Option to see solution list completed.
- xxiv. The score of the given test is calculated and shown.
- xxv. Students now can reattempt and give tests again.
- xxvi. Esewa is implemented successfully using testing credentials.
- xxvii. Bought courses are listed in the study tab.
- xxviii. On click in the Purchased course, the screen is directly redirected to its content.
- xxix. Devices of students are tracked

b. Software App (Desktop)

- i. Mobile App Login, Register.
- ii. Profile Section with Contact US, Privacy Policy, Terms and Conditions in mobile app.
- iii. Layer 1 listed in the Home Page.
- iv. Layer 2 inside Layer 1 listing similarly, with all respective layers patterns.
- v. Layer related PDF / Notes.
- vi. Students can join live classes via Zoom directly from the app.
- vii. Students can download related PDF/Notes
- viii. Videos are listed inside Layers as by Admin.
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- xxv. Students now can reattempt and give tests again.
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- xxvii. Bought courses are listed in the study tab.
- xxviii. On click in the Purchased course, the screen is directly redirected to its content.
- xxix. Devices of the student are tracked

c. Mobile App (iOS)

- i. Mobile App Login, Register.
- ii. Profile Section with Contact US, Privacy Policy, Terms and Conditions in mobile app.
- iii. Layer 1 listed in the Home Page.
- iv. Layer 2 inside Layer 1 listing similarly, with all respective layers patterns.
- v. Layer related PDF / Notes.
- vi. Students can join live classes via Zoom directly from the app.
- vii. Students can download related PDF/Notes
- viii. Videos are listed inside Layers as by Admin.
- ix. Screenshot and ScreenRecording Block and cannot be taken through the app.
- x. Video Playing with Youtube Link with features like full screen mode, orientation changes, etc.
- xi. Youtube video playback speed can be controlled by students
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- xxix. Devices of the students are tracked.

d. Admin Panel

- i. Admin panel live in Live URL.
- ii. Admin Panel hosting in Server.
- iii. Admin Login and Forgot Password Module.
- iv. Dashboard UI
- v. The number of students registered through the mobile app will be shown.
- vi. CMS - Create/Read/Update/Delete Terms and Conditions, Privacy Policy and Contact Us.
- vii. Student Management UI
- viii. List of students with Phone number, email (if provided by student), full name, photo will be shown.
- ix. The option to delete the Student is given for admin.
- x. A search bar is added to search students efficiently.
- xi. Package Management UI is completed
- xii. Added Create/Read/Update/Delete Layers Module to manage Layers like B.A.L.L.B, etc...
- xiii. In the Layers module, there is an upload banner image feature as well.
- xiv. Resource Management UI
- xv. **Notes Management**
 - 1. Create/Read/Update/Delete Notes with option to upload either PDF directly or using URL to render online resources in Mobile App.
 - 2. Listing of all the Notes in Notes Section with features like Active/Inactive and Action like Delete available in the UI to take action by Admin.
 - 3. Admin can preview the uploaded notes through one button.
 - 4. Search bar is provided for efficient query of notes list through name.
 - 5. Filter option is provided through Layers.
- xvi. **Case Laws Management**
 - 1. Create/Read/Update/Delete Laws with option to upload either PDF directly or using URL to render online resources in Mobile App.
 - 2. Listing of all the Laws in Laws Section with features like Active/Inactive and Action like Delete available in the UI to take action by Admin.
 - 3. Admin can preview the uploaded laws through one button.
 - 4. Search bar is provided for efficient query of laws list through name.
 - 5. Filter option is provided through Layers.
- xvii. Option is to change the Password of Admin account if some serious security cases occur.
- xviii. **Test Management**
 - 1. Create/Read/Update/Delete Test with params like Test name, instructions (Dynamic Styling of Instruction is available through this panel) and for simplifying the task of Admin, instructions are preloaded.

2. Listing of all the Tests in Tests Section with features like Active/Inactive and Action like Delete available in the UI to take action by Admin.
3. Search bar is provided for efficient query of tests list through name.
4. Filter option is provided through Layers combinations.
5. **Question Management**
 - a. Create/Read/Update/Delete Questions.
 - b. Each question has 4 options, 1 explanation and attached image (optional), with negative and positive marks and selected correct answer by admin.
 - c. Each Options have text and image (optional) also same for explanation.
 - d. In List of questions, there is a preview of the uploaded question, solution, options, answer, negative marks, positive marks, Date of creation with required actions.
- xix. Option is to change the Password of Admin account if some serious security cases occur.
- xx. **Videos Management**
 1. Create/Read/Update/Delete videos with option to upload YouTube id to play in Mobile App.
 2. Admin can enter details like Video title, description, instructor, instructor image, isPaid.
 3. Listing of all the Laws in Laws Section with features like Active/Inactive and Action like Delete available in the UI to take action by Admin.
 4. Option is given to upload the video to any of the Layers.
 5. Search bar is provided for efficient query of videos list through name.
 6. Filter option is provided through Layers.
- xxi. **Content Management**
 1. **Package management**
 - a. It provide the detail of all the packages
 - b. We can edit the details of the packages
 - c. We can also assign the packages to the students
 2. **Resource management**
 - a. It provide full detail of all the resources in the app
 - b. We can edit and delete the resources.
- xxii. **Report Module**
 1. **Initiate Payment Report**
 - a. All the list of initiated payment is shown with the feature of search and filter with payment type, payment status, start date, end date etc.
 - b. Features of the Download report are made and can be observed and analysed after download.

- c. Details like Student name, student phone number, email, package name, date/time, payment status, payment type, payment amount.
- d. Payment verification option is added

2. Package Wise Report

- a. The report of all the packages and its number of purchases is shown with the amount with details.
- b. In Details, the list of students will be shown who purchased the course.
- c. Those details can also be downloaded.

3. Sales Report

- a. All the successful purchased courses will be shown here.
- b. Details like, PackageName, date of sales, buyer name, phone number and email, order id/ transaction id, amount and status will be shown.
- c. Option to see the full details of the student is also available.
- d. Search with amount, filter with start date and end date is also available.

xxiii. FAQ Management

- 1. Create/Read/Update/Delete FAQ.
- 2. Create FAQ with 2 options one is Package wise and another is the whole app. (Package wise FAQ will be shown only inside the package).
- 3. Status of the FAQ to make it active or inactive.

xxiv. Review Management

- 1. Create/Read/Update/Delete Review.
- 2. Create a review with 2 options one is Package wise and another is the whole app. (Package wise review will be shown only inside the package).
- 3. Status of the review to make it active or inactive.

xxv. Instructor Management

- 1. To get the full detail of the instructors.

xxvi. Zoom Management

- 1. To get the detail of the live meeting classes

e. Figma Design - Figma Design for each and every screen for Application.

f. Backend

i. Login / Signup

- 1. Validation of invalid inputs from users in input fields through the app.
- 2. Created an API to get the data of students from the app and make them actually students in our system.
- 3. Created an LOGIC to send OTP in Mobile number for student to SignUp.

4. Created an **API** to verify the OTP entered by students after they receive their phone number.
 5. **Other APIs**
 - a. **Phone Number Validation API** - To know whether the number is a valid nepali number or not to some extent.
 - b. **Is User Exist Validation API** - To know whether the phone number is already registered in our system.
 - c. **Login With Phone Number and OTP API** - To login the student present in our system with their phone number and otp.
 - d. **Qualification API** - To give the option to select qualification for the student.
 6. Create a system to upload profile pictures of students as well with his/her other information.
- ii. **Profile Section APIs**
 1. **Profile Details API** - To get the details of the logged in users.
 2. **Terms and Conditions API** - To get the Terms and Conditions uploaded in the admin panel in the CMS Management Module.
 3. **Privacy Policy API** - To get the Privacy Policy uploaded in the admin panel in CMS Management Module.
 4. **Contact Us Detail API** - To get the Contact us details uploaded in the admin panel in CMS Management Module.
 5. **Sign Out API** - To Logout the user from the app.
 - iii. **Home Section / Layers Section APIs**
 1. **Layer 1 Listing API** - To List the Layer 1 created by admin.
 2. **Layer 2 Listing API** - To List the Layer 2 created by admin.
 3. **Layer 3 Listing API** - To List the Layer 3 created by admin.
 4. **Layer 4 Listing API** - To List the Layer 4 created by admin.
 - iv. **Resources Section APIs**
 1. **Get Notes API** - To get all notes uploaded by admin in different layers.
 2. **Get Videos API** - To get all videos uploaded by admin in different layers.
 - v. **Video Section APIs**
 1. **Get Encrypted Video Id API** - To get the encrypted video id of youtube.
 2. **CRUD Api** - To create, delete, edit and read the videos in the admin panel.
 - vi. **Case Laws Section APIs**
 1. **Get All Laws with all Category API** - To list the case laws uploaded by admin.
 2. **Get Category wise Laws API** - To list the case laws inside specific categories uploaded by admin.
 3. **CRUD Api** - To create, delete, edit and read the Case laws in the admin panel.

vii. Notes Section APIs

1. **CRUD Api** - To create, delete, edit and read the notes in the admin panel.

viii. Test Section APIs

1. **Get Questions API** - To get all the questions present in the selected test.
2. **Get Test Status API** - To know whether the test is already submitted by a student or not.
3. **Get Score API** - To show the calculated score of that test if a student has already given the test.
4. **Submit Test API** - To submit the given test by user to our system for calculating the score based on uploaded marks in the admin panel for each question. Positive marks and negative marks both are taken into consideration while calculating the score.
5. **View Solutions API** - Students can view their test results, including which questions they answered correctly and incorrectly. They can also see their selected answers alongside the actual correct answers.

ix. Report APIs

1. Initiate Payment APIs

- a. **Get Initiated List** - To get all the initiated payment list in the admin panel.
- b. **Download List API** - Api to download all the initiated and completed sales with applying filters into excel file.
- c. **Verify Transaction API** - To verify either the course has been already purchased or not.
- d. **Initiate Payment API** - To initiate esewa payment.
- e. **Verify Payment API** - To verify if the payment is successfully completed in esewa server.
- f. **Assign Course System** - This system assigns the course to the student who just purchased the course.
- g. **Study Section API** - To show the list of all the purchased courses with its content.
- h. **Transaction API** - To show the list of all the transactions done by the student with course validity and purchased amount.

2. Package Report APIs

- a. **Get Package Report List** - To get all the course report list in the admin panel.
- b. **Download List API** - Api to download all the students who purchased the specific package with applying filters into excel file.
- c. **Student List API** - To show all the students who purchased the particular package.

3. Sales Report APIs

- a. **Get Sales Report List** - To get all the sales report lists in the admin panel.
 - b. **Download List API** - Api to download all the sales reports with applying filters into excel file.
 - c. **Transaction Successful and Total Amount API** - To show all the total purchase amount with the total number of successful transactions.
- x. **FAQ Management APIs** -
 - 1. **Get FAQ List API** - To get all the faq list in the admin panel with details like, questions, answers, type, date etc.
 - 2. **Get Faq Package Wise API** - To show the faq inside package details in the mobile app.
 - 3. **Create FAQ API** - To create the faq from the admin panel by admin.
 - 4. **DELETE Faq API** - To delete the faq from the admin panel by admin.
 - 5. **Edit FAQ Api** - To update the faqs from the admin panel by admin.
- xi. **Review Management APIs** -
 - 1. **Get Review List API** - To get all the reviews in the admin panel with details like, student pp, name, rank, review, type, and date.
 - 2. **Get review Package Wise API** - To show the review inside package details in the mobile app.
 - 3. **Create review API** - To create the review from the admin panel by admin.
 - 4. **DELETE review API** - To delete the review from the admin panel by admin.
 - 5. **Edit review Api** - To update the review from the admin panel by admin.

g. Database

* Database Collection is represented as Database Table for better understanding.

- i. **Different Database Table Created:**
 - 1. **Student Table** - To Store the student details like full name, profile pic, password (**hashed**), email, registered date, etc...
 - 2. **Layer 1 Table** - To store the Layer 1 created by admin in the database.
 - 3. **Layer 2 Table** - To store the Layer 2 created by admin in the database.
 - 4. **Layer 3 Table** - To store the Layer 3 created by admin in the database.
 - 5. **Layer 4 Table** - To store the Layer 4 created by admin in the database.
 - 6. **Notes Table** - To store the notes created by the admin.
 - 7. **Videos Table** - To store the videos created by the admin.
 - 8. **Package Table** - To store the packages in a database created by the admin.

- 9. Case Laws Table** - To store the case laws in a database created by the admin.
- 10. Test Table** - To store the test created by the admin.
- 11. Question Table** - To store the questions inside the test created by the admin.
- 12. Initiate Payment Table** - To store the initiated payment and make it available to admin.
- 13. FAQ Table** - To store the faq created by the admin.
- 14. Review Table** - To store the review created by the admin.

- ii. In every input field for admin or students, validation of user input is done to make a secure system.
- iii. Implemented Search and Shorting support in database for admin panel.
- iv. Implemented Filtering of Resources like Notes, Videos and Case Laws.

h. Extra Software

i. Video Encoder

Uploaded videos are automatically compressed and optimized for smooth playback across devices, ensuring faster streaming with minimal buffering.

This is to acknowledge the completion of a significant portion of the project, which includes the extra software Video encoder and Desktop app. The desktop app includes all major mobile app features like video playback, course access, tests and live classes. The total amount due is 3,30,000, out of which newly added 1,30,000 is the cost of the extra software and a Desktop app. The remaining 2,00,000 covers the completed tasks until June 12, 2025. The completed tasks are mentioned above.

We kindly request that the payment of 2,00,00 be processed at your earliest convenience to ensure the smooth continuation of the project.

Thank You,
Saral Apps Private Limited
Baneshwor