

FrontEnd API Routes



AUTHENTICATION MODULE

Auth API Routes

Purpose	Method	Route
User signup	POST	/auth/signup
User login	POST	/auth/login
Refresh token	POST	/auth/refresh
Validate token	GET	/auth/validate
Get logged user details	GET	/auth/me
Password reset request	POST	/auth/reset/request
Reset password	POST	/auth/reset/confirm



STUDENT MODULE (FR1–FR7)

Search & Filter Boardings

Purpose	Method	Route
Get all boardings (paginated)	GET	/boardings
Filter boardings	GET	/boardings/filter
Get boarding by ID	GET	/boardings/{boardingId}

Appointment Booking

Purpose	Method	Route
Book an appointment	POST	/appointments
Get student appointments	GET	/appointments/student/{studentId}

Cancel appointment **PUT** `/appointments/{id}/cancel`

Boarding Registration

Purpose	Method	Route
Register for a boarding	POST	<code>/registrations</code>
Get student's active boarding	GET	<code>/registrations/student/{studentId}</code>

Payments

Purpose	Method	Route
Initiate payment	POST	<code>/payments/create</code>
Get student bills	GET	<code>/bills/student/{studentId}</code>
Get bill by ID	GET	<code>/bills/{billId}</code>

Reviews

Purpose	Method	Route
Add review	POST	<code>/reviews</code>
Get reviews for boarding	GET	<code>/reviews/boarding/{boardingId}</code>
Delete review	DELETE	<code>/reviews/{reviewId}</code>

Report Issues

Purpose	Method	Route
Submit issue report	POST	<code>/reports</code>
Get student reports	GET	<code>/reports/student/{studentId}</code>

Maintenance Requests

Purpose	Method	Route
Submit request	POST	<code>/maintenance</code>
Get student maintenance history	GET	<code>/maintenance/student/{studentId}</code>



OWNER MODULE (FR8–FR13)

Publish / Manage Ads

Purpose	Method	Route
Create boarding ad	POST	/owner/ads
Get all ads by owner	GET	/owner/ads/me
Update ad	PUT	/owner/ads/{adId}
Delete ad	DELETE	/owner/ads/{adId}

Appointment Management

Purpose	Method	Route
Get owner appointments	GET	/owner/appointments
Accept appointment	PUT	/owner/appointments/{id}/accept
Decline appointment	PUT	/owner/appointments/{id}/decline
Propose new time	PUT	/owner/appointments/{id}/propose

Utility Management

Purpose	Method	Route
Add monthly utility	POST	/utilities
Get utilities for boarding	GET	/utilities/boarding/{boardingId}

Boost Ads

Purpose	Method	Route
Pay for boost	POST	/ads/boost
Get boosted ads	GET	/ads/boosted

Report Students

Purpose	Method	Route
Report student	POST	/reports

View submitted reports GET /reports/owner/{ownerId}

Subscription Plans

Purpose	Method	Route
Get subscription plans	GET	/subscriptions/plans
Subscribe to plan	POST	/subscriptions
Owner subscription status	GET	/subscriptions/owner/{ownerId}



ADMIN MODULE (FR14–FR18)

Review Reports

Purpose	Method	Route
Get all reports	GET	/admin/reports
Resolve report	PUT	/admin/reports/{reportId}/resolve

Approve Ads

Purpose	Method	Route
Get pending ads	GET	/admin/ads/pending
Approve ad	PUT	/admin/ads/{adId}/approve
Reject ad	PUT	/admin/ads/{adId}/reject

User Management

Purpose	Method	Route
Get all users	GET	/admin/users
Deactivate user	PUT	/admin/users/{userId}/deactivate

Third-Party Advertisements

Purpose	Method	Route
Upload new ad	POST	/admin/thirdparty-ads

Get ads	GET	/thirdparty-ads
Delete third-party ad	DELETE	/admin/thirdparty-ads/{adId}

Analytics

Purpose	Method	Route
General dashboard metrics	GET	/admin/analytics/overview
Payment analytics	GET	/admin/analytics/payments
User growth analytics	GET	/admin/analytics/users



NOTIFICATION SYSTEM (FR20)

Notifications

Purpose	Method	Route
Get notifications	GET	/notifications/user/{userId}
Get unread count	GET	/notifications/{userId}/unread-count
Mark read	PUT	/notifications/{id}/read



BILLING & UTILITIES (FR19)

Billing

Purpose	Method	Route
Generate bills (cron — backend only)	—	—
Get student bills	GET	/bills/student/{studentId}
Admin: Get all bills	GET	/admin/bills



FILE STORAGE (FR22)

File Upload (Images / Documents)

Purpose	Method	Route
Upload image to S3	POST	/files/upload
Delete file	DELETE	/files/{fileId}



PAYMENT GATEWAY (FR23)

Payment Integration

Purpose	Method	Route
Create payment session	POST	/payments/create
Verify payment return URL	POST	/payments/verify
Get payment history	GET	/payments/history/{userId}