API Endpoints Documentation

1. Account Management

1.1 Registration & Verification

Endpoint	Method	Description	Parameters	Response
`/api/v1/auth/register`	POST	Register a new user	`extendedProfileDTO`	201 / 400 / 409
`/api/v1/auth/verify`	POST	Verify registration	`registrationAttemptId`	200 / 404 / 401 / 409

1.2 Authentication

Endpoint	Method	Description	Parameters	Response
`/api/v1/auth/login`	POST	Log in to the application	`loginDTO` (Password, Email)	200 (Token) / 400 / 401
`/api/v1/auth/logout`	POST	Log out of the application	JWT	200 / 401

1.3 Profile Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/profiles/{ID}`	GET	View a user profile	`profileID`	`extendedProfileDTO` + 200 / 401
`/api/v1/profiles`	PUT	Edit a user profile	`extendedProfileDTO`	200 / 400 / 401
`/api/v1/profiles/change-password`	PUT	Change user password	`changePasswordDTO`	200 / 400 / 401
`/api/v1/profiles/{ID}`	DELETE	Deactivate a user account		200 / 400 / 401
`/api/v1/profiles/{ID}/favorite/listings`	GET	Get a user's favorite listings		`listingDTOs` + 200 / 401
`/api/v1/profiles/{ID}/favorite/events`	GET	Get a user's favorite events		`eventDTOs` + 200 / 401

1.4 Listings and Events

Endpoint	Method	Description	Parameters	Response
`/api/v1/sellers/{ID}/listings/offers`	GET	View a seller's listing categories		`listingCategoryDTOs` + 200 / 401
`/api/v1/sellers/{ID}/listings`	PUT	Edit a seller's listing categories	`listingDTO`	200 / 400 / 401
`/api/v1/events/schedule/{profileID}`	GET	Get the event schedule for a user	`dateRangeStart`, `dateRangeEnd`	`eventDTOs` + 200 / 400 / 401
`/api/v1/events/top`	GET	Get the top 5 events	Optional `city`	`eventDTOs` + 200
`/api/v1/events`	GET	Get all events		`eventDTOs` + 200
`/api/v1/listings/top`	GET	Get the top 5 listings	Optional `city`	`listingDTOs` + 200
`/api/v1/listings`	GET	Get all listings		`listingDTOs` + 200

1.5 Notifications

Endpoint	Method	Description	Parameters	Response
`/api/v1/notifications`	POST	Create a notification	`notificationDTO`	201 / 400
`/api/v1/notifications`	PUT	Mark a notification as seen	`notificationDTO`	200 / 404
`/api/v1/notifications/mute`	POST	Mute notifications for a profile	`profileID`	200 / 404

1.6 Quick Registration & Guest Invitations

Endpoint	Method	Description	Parameters	Response
`/api/v1/auth/quick-registration`	POST	Quick registration for guests	`profileDTO`	201 / 400 / 409
`/api/v1/guest/{ID}/invitations`	GET	View guest invited events		`eventDTOs` + 200 / 401

Event Management Endpoints

2.1 Event Type Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/event-type`	POST	Create Event Type	`eventTypeDTO`	`201` : Created successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/event-type`	PUT	Edit Event Type	`eventTypeDTO`	`200` : Updated successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/event-type`	PUT	Activate/Deactivate Event Type	`eventTypeDTO`	`200` : Status updated `400` : Invalid input `403` : Unauthorized

2.2 Event Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/events`	POST	Create Event	`eventDTO`	`201` : Created successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/events/{id}`	GET	View Event Details	`id` (Event ID)	`200` : Event retrieved `404` : Event not found

2.3 Agenda Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/events/{id}/agenda`	POST	Create Agenda	`agendaDTO`	`201` : Agenda created `400` : Invalid input `403` : Unauthorized
				`200` : PDF

404 : Event not found

401 : Unauthorized

2.4 Invitations Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/events/{id}/invitations`	POST	Send Invitations	List of emails	200 : Invitations sent 400 : Invalid input 403 : Unauthorized 5XX : SendGrid error
`/api/v1/guest/{id}/invitations`	GET	Guest Views Invitations	`id` (Profile ID)	200 : Invitations retrieved 401 : Unauthorized
`/api/v1/guests/{id}/invitations`	PUT	Guest Accepts Invitations	`id` (Event ID)	200 : Invitation accepted 401 : Unauthorized

2.5 Budget Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/budget-items`	POST	Create Budget Item	`budgetItemDTO`	201 : Budget item created 400 : Invalid input 403 : Unauthorized
`/api/v1/budget-items`	POST	Buy Listing and Add to Budget	`budgetItemDTO`	200 : Added to budget 404 : Listing not found 403 : Unauthorized
`/api/v1/events/{id}/budget`	GET	View Budget	`id` (Event ID)	200 : Budget retrieved 404 : Event not found 403 : Unauthorized

2.6 Event Interaction

Endpoint	Method	Description	Parameters	Response
`/api/v1/events/{id}`	GET	See Event Details	`id` (Event ID)	200 : Event retrieved 404 : Event not found 401 : Unauthorized
`/api/v1/profiles/{id}/favourite/events`	PUT	Add Event to Favorites	`id` (Profile ID, Event ID)	200 : Event added to favorites 401 : Unauthorized 404 : Not found

2.7 Event PDF Generation

Endpoint	Method	Description	Parameters	Response
`/api/v1/events/{id}/pdf`	GET	Generate Event PDF	`id` (Event ID, optional params for graphs)	200 : PDF downloaded 404 : Event not found 401 : Unauthorized

2.8 Chat Management

Endpoint	Method	Description	Parameters	Response

Endpoint	Method	Description	Parameters	Response
/api/v1/chatMessages/{senderId}/{recipientId}	GET	Retrieve Chat Messages	senderId, recipientId	200 : Messages retrieved 404 : No messages found 401 : Unauthorized
/api/v1/chatMessages/{senderId}/{recipientId}	PUT	Set Chat Messages as Seen	senderId, recipientId	200 : Messages marked as seen 404 : No messages found 401 : Unauthorized
/api/v1/chatMessages/{senderId}/{recipientId}	POST	Send Chat Message	chatMessageDTO	200 : Message sent 404 : Recipient not found 401 : Unauthorized

Product and Service Management

3.1 Service Management

Endpoint	Method	Description	Parameters	Response
/api/v1/services	POST	Create Service	serviceDTO	201 : Created successfully 400 : Invalid input 403 : Unauthorized
/api/v1/services	PUT	Edit Service	serviceDTO	200 : Updated successfully 400 : Invalid input 401 : Unauthorized
/api/v1/services/{ID}	DELETE	Delete Service	ID (Service ID)	200 : Deleted successfully 404 : Service not found 401 : Unauthorized
/api/v1/services	GET	List Services	-	200 : List of services retrieved 404 : No services found 401 : Unauthorized
/api/v1/services/{ID}	GET	View Service Details	ID (Service ID)	200 : Service details retrieved 404 : Service not found 401 : Unauthorized

3.2 Product Management

Endpoint	Method	Description	Parameters	Response
/api/v1/products	POST	Create Product	productDTO	201 : Created successfully 400 : Invalid input 403 : Unauthorized
/api/v1/products	PUT	Edit Product	productDTO	200 : Updated successfully 400 : Invalid input 401 : Unauthorized
/api/v1/products/{ID}	DELETE	Delete Product	ID (Product ID)	200 : Deleted successfully 404 : Product not found 401 : Unauthorized
/api/v1/products	GET	List Products	-	200 : List of products retrieved 404 : No products found 401 : Unauthorized
/api/v1/products/{ID}	GET	View Product Details	ID (Product ID)	200 : Product details retrieved 404 : Product not found 401 : Unauthorized

3.3 Product Category Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/product-categories`	POST	Create Product Category	`productCategoryDTO`	`201` : Created successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/product-categories`	PUT	Edit Product Category	`productCategoryDTO`	`200` : Updated successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/product-categories/approve`	PUT	Product Category Approval/Rejection	`productCategoryDTO`	`200` : Approved or Rejected successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/product-categories/propose`	POST	Product Category Proposal	`productCategoryDTO`	`201` : Proposal submitted `400` : Invalid input `403` : Unauthorized
`/api/v1/product-categories/{ID}`	GET	View Product Category Details	`ID` (Product Category ID)	`200` : Category details retrieved `404` : Category not found `401` : Unauthorized

3.4 Listing Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/listings/price-lists/{profileID}`	GET	View Price List	`profileID` (Profile ID)	`200` : Price list retrieved `401` : Unauthorized
`/api/v1/listings/price-lists/{profileID}/pdf`	GET	Download Price List as PDF	`profileID` (Profile ID)	`200` : PDF downloaded `401` : Unauthorized

3.5 Search and Filter

Endpoint	Method	Description	Parameters	Response
`/api/v1/services/search`	GET	Search and Filter Services	Filter parameters	`200` : Services retrieved `404` : No services found `401` : Unauthorized
`/api/v1/products/search`	GET	Search and Filter Products	Filter parameters	`200` : Products retrieved `404` : No products found `401` : Unauthorized

3.6 Favorite Listings

Endpoint	Method	Description	Parameters	Response
`/api/v1/profiles/{ID}/favorite/listings`	POST	Favorite a Listing	`ID` (Profile ID), `listingDTO`	`201` : Listing added to favorites `400` : Invalid input `401` : Unauthorized

User Communication

4.1 Product and Service Purchase

Endpoint	Method	Description	Parameters	Response
`/api/v1/products/{ID}/buy`	POST	Buy Product	`productID` (Product ID)	`200` : Product purchased successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/services/{ID}/buy`	POST	Buy Service	`serviceID` (Service ID)	`200` : Service purchased successfully `400` : Invalid input `403` : Unauthorized

4.2 Chat

Endpoint	Method	Description	Parameters	Response
`/api/v1/chats`	POST	Start or Send Chat	`chatDTO` (Message data)	`201` : Chat message sent `400` : Invalid input `403` : Unauthorized

4.3 Review Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/reviews`	POST	Review Listing	`reviewDTO`	`201` : Review submitted successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/reviews`	PUT	Admin Accepts/Rejects Review (also can delete)	`reviewDTO`	`200` : Review accepted or rejected `400` : Invalid input `403` : Unauthorized
`/api/v1/reviews/{ID}`	DELETE	Delete Review	`ID` (Review ID)	`200` : Review deleted successfully `400` : Invalid input `401` : Unauthorized

4.4 User Block and Unblock

Endpoint	Method	Description	Parameters	Response
`/api/v1/profiles/blocks`	PUT	Block User	`profileDTO`	`200` : User blocked successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/profiles/blocks`	DELETE	Unblock User	`profileDTO`	`200` : User unblocked successfully `400` : Invalid input `403` : Unauthorized

4.5 User Report Management

Endpoint	Method	Description	Parameters	Response
`/api/v1/user-report`	POST	Report User	`userReportDTO`	`201` : Report submitted successfully `400` : Invalid input `403` : Unauthorized
`/api/v1/user-report`	PUT	Approve/Reject User Report	`userReportDTO`	`201` : Report approved or rejected `400` : Invalid input `403` : Unauthorized