

Algoverse Back-End API Description

ViewModels JSON Objects:

AssetViewModel:

```
public int assetId
public string name
public string unitName
public string assetURL
public string description
public UserPreviewModel creator
public DateTime creationDate
public string freezeAddress
public string managerAddress
public string clawbackAddress
public string reserveAddress
public string metaData
public string file
public HistoryViewModel history
public ICollection<TradeViewModel> openTrades
public ICollection<BidViewModel> bids
public int stars
public int views
public int supply
public ICollection<PropertyViewModel> properties
public CollectionViewModel collection
public int royalties
public string category
public bool shuttleWinner
```

TradeViewModel:

```
public Guid tradeId
public int assetId
public decimal price
public string tradeCreatorWallet
public int amount
public string receiverWallet
public bool isOpen
public DateTime creationDate
public DateTime? closingDate
public bool openForBids
public bool timedAuction
```

BidViewModel:

```
public Guid bidId
public UserViewModel biddingUser
public decimal amount
public int assetId
public DateTime creationDate
public DateTime? closingDate
```

PropertyViewModel:

```
public string key
public string value
```

CollectionViewModel:

```
public Guid collectionID
public string name
public string icon
public string banner
public string featuredImage
public string description
public int royalties
public string customURL
public string category
public string web
public UserPreviewModel creator
```

UserPreviewModel:

```
public string wallet
public string name
public string file
public Boolean verified
```

UserViewModel:

```
public string Wallet
public string Name
public bool Verified
public string Bio
public string ProfileImage
public string BannerImage
public string FeaturedImage
public string CustomURL
public string Twitter
public string Telegram
public string Instagram
public string Website
```

MintViewModel:

```
public int assetId
public string name
public string unitName
public string creatorWallet
public string assetURL
public string description
public int supply
public string clawbackAddress
public string managerAddress
public string freezeAddress
public string reserveAddress
public string metadata
public string file
public string cover
public int royalties
public string externalLink
public Guid collectionId
public Dictionary<string,string> properties
public bool createOffer
public TradeViewModel trade
```

SwapViewModel:

```
public Guid swapId
public int assetId
public string offererWallet
public int amount
public string receivingWallet
public bool isOpen
public DateTime creationDate
public DateTime? closingDate
public ICollection<CollectionViewModel> collectionsInterestedIn
public ICollection<AssetViewModel> assetsInterestedIn
public HistoryViewModel? history
public int acceptedAssetId
public int acceptedAmount
```

SwapRequestViewModel:

```
public Guid swapId
public int offeredAssetId
public string offeredAssetName
public int amount
public string message
public string offeringUserWallet
public bool successfull
public DateTime creationDate
public DateTime? closingDate
public int? acceptedAssetId
public string? acceptedAssetName
public int? acceptedAssetAmount
```

AuctionViewModel:

```
public Guid auctionId
public AssetViewModel asset
public ICollection<AuctionBidViewModel> bids
public DateTime creationDate
public DateTime closingDate
public string auctionCreatorWallet
public string auctionCreatorName
public string auctionWinnerWallet
public string auctionWinnerName
public decimal winningPrice
public int amount
public decimal minimumBid
```

AuctionBidViewModel:

```
public Guid auctionId
public Guid auctionBidId
public string biddingUserName
public string biddingUserWallet
public decimal amount
public DateTime biddingTime
```

API Description

BaseUrl in front everything: tbd, not hosted public yet

API	Description	Request Body	Response Body
/user/create	Create New User	UserViewModel userModel	Ok or Conflict
/user/byWallet/{wallet}	Get the full User	String wallet	UserViewModel
/user/update	Update an existing User	UserViewModel userModel	Ok or Conflict
/user/shuttle	Get last winner of shuttle vote	None	UserViewModel
asset/get/allWith-OpenTrade	Get all assets with open trades	None	AssetViewModel[]
asset/get/allWith-OpenSwap	Get all assets with open swaps	None	AssetViewModel[]
asset/get/allWithOpenAuction	Get all assets with open Auctions	None	AssetViewModel[]
asset/get/Preview-ByWallet/{wallet}	Get all owned asset previews for a given wallet	String wallet	AssetViewModel[]
asset/get/PreviewBy-CollectionId/{collectionId}	Get all asset previews corresponding to a collection	Guid collectionId	AssetViewModel[]
asset/get/fullById/{assetId}	Get full asset detail view, with trades owners etc.	Int assetId	AssetViewModel
asset/mint	mint a new asset	MintViewModel	Ok or Conflict
bid/place	Bid on an asset	BidViewModel	Ok or Conflict
bid/cancel	Cancel your own bid	BidViewModel	Ok or Conflict
bid/accept	Accept a bid on your asset	BidViewModel	Ok or Conflict
collection/byId/{collectionId}	Get a collection by Id	Guid collectionId	CollectionViewModel
collection/add	Create a new collection	CollectionViewModel	Ok or Conflict
collection/update	Update an existing Collection	CollectionViewModel	Ok or Conflict
swap/create	Create a new swap	SwapViewModel	Ok or Conflict

API	Description	Request Body	Response Body
swap/cancel	Cancel your own swap	SwapViewModel	Ok or Conflict
swap/request	Post a new swap request	SwapRequestViewModel	Ok or Conflict
swap/accept	Accept a swap request for your swap	SwapRequestViewModel	Ok or Conflict
swap/decline	Decline a swap request for your swap	SwapRequestViewModel	Ok or Conflict
swap/get/{swapId}	Get a detailed Swap	Guid swapId	SwapViewModel
swap/get/openByAssetId/{algorandId}	Get all open swaps for an asset	Int algorandId	SwapViewModel[]
swap/get/acceptedByAssetId/{algorandId}	Get all accepted swaps for an asset	Int algorandId	SwapViewModel[]
swap/get/openRequestsForSwap/{swapId}	Get all swap requests	Guid swapId	SwapRequestViewModel[]
auction/create	Create a new auction	AuctionViewModel	Ok or Conflict
auction/close	Closes an auction	AuctionViewModel	Ok or Conflict
auction/get/byId/{id}	Get auction	Guid id	AuctionViewModel
auction/get/byAssetId/{assetId}	Get open auctions for asset Id	Int assetId	AuctionViewModel[]
auction/bid	Place a bid on an auction	AuctionBidViewModel	Ok or Conflict
trade/get/allClosedByAssetId/{assetId}	Get all closed successful trades for an asset	Int assetId	TradeViewModel[]
trade/get/allOpenByAssetId/{assetId}	Get all open trades for an asset	Int assetId	TradeViewModel[]
trade/get/byId/{tradeId}	Get a trade by its id	Guid tradeId	TradeViewModel
trade/create	Create a new trade	TradeViewModel	Ok or Conflict
trade/close	Close/accept an existing trade	TradeViewModel	Ok or Conflict
trade/cancel	Cancel your trade	TradeViewModel	Ok or Conflict