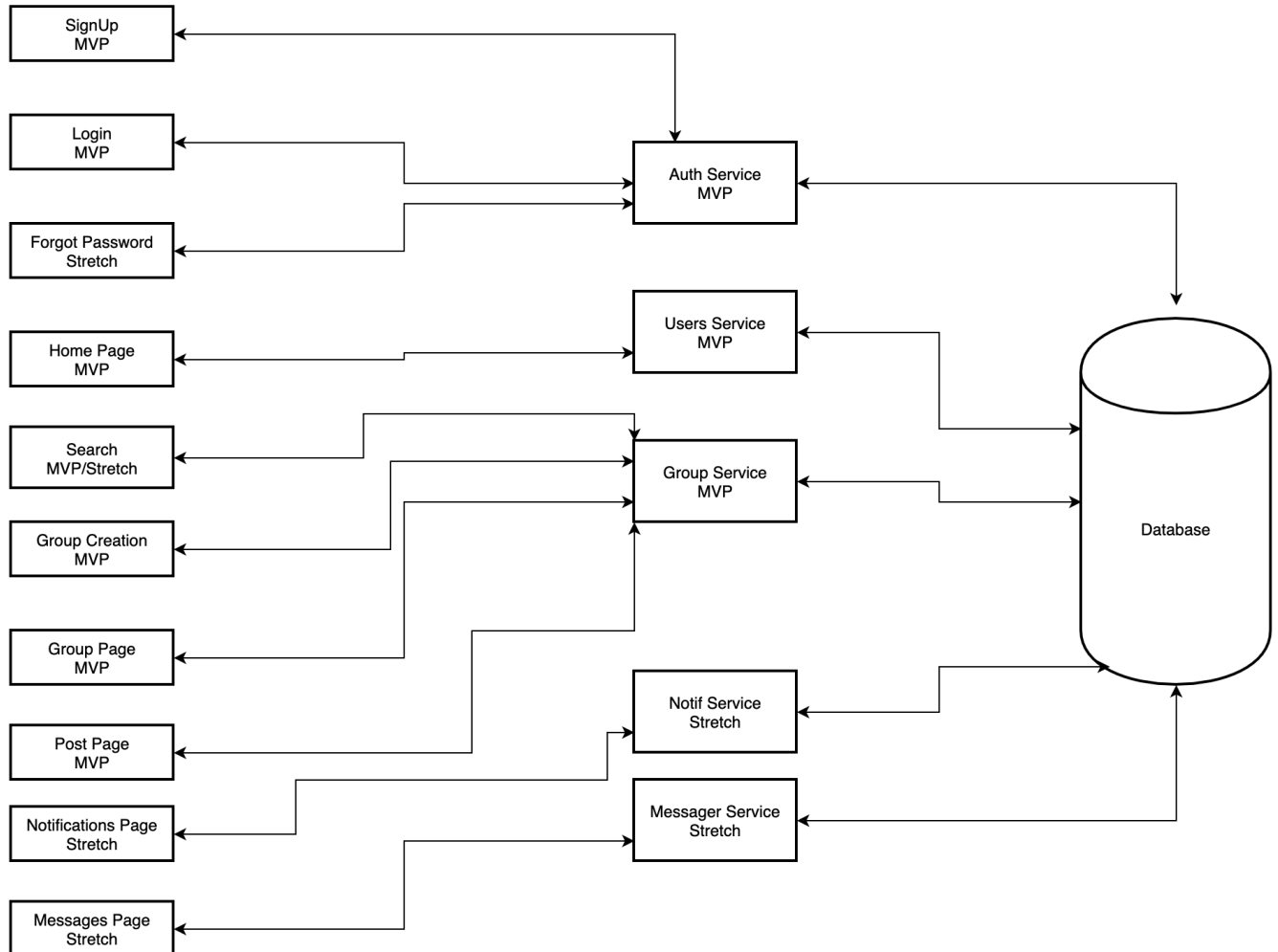


Services

Service Diagram



MVP Services

Auth Service

This Service handles all interactions with authentication of users and those who want to gain access into the app.

Signup

HTTP Methods	Description	Request URL	Parameters	Response
POST	Add new user data to database	https://anchor.com/auth/users	{ "firstname": "Jane", "lastname": "Doe", "email": "jdoe@gmail.com", "phone": 3146654367, "username": "jdoe"} }	200 - Successful Operation { "userId": 235, "firstname": "Jane", "lastname": "Doe", "email": "jdoe@gmail.com", "phone": 3146654367, "username": "jdoe"} 400 - Invalid Entry { "code": 400, "type": "error", "message": "Entry Invalid. Please Try Again"} }

Login

HTTP Methods	Description	Request URL	Parameters	Response
GET	Get user information based on username/email and password inputted	https://anchor.com/auth/users	{ "username": "jsmith", "key": "cupcake323"} }	200 - Successful Operation { "userId": 235, "firstname": "Jane", "lastname": "Doe", "email": "jdoe@gmail.com", "phone": 3146654367, "username": "jdoe"} 400 - Invalid Entry { "code": 400, "type": "error", "message": "Authentication Failed"} }

Users Service

This service handles retrieving and updating user data and pulling recent posts for the members groups

Homepage

HTTP Methods	Description	Request URL	Parameters	Response
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GET	Get List of Groups User is associated with	https://anchor.com/users/{userId}/groups	{ "userId": 234 }	200 - Successful Operation { {"groupId": 2433, "groupName": "Mighty Workout"}, {"groupId": 221, "groupName": "Watch New Anime"}, {"groupId": 2, "groupName": "Build Financial Literacy"}, {"groupId": 4, "groupName": "New Cooking Habits"} } 404 - Not Found { "code": 404, "type": "error", "message": "User Not Found" }
GET	Get recent posts from all groups user is associated with	http://anchor.com/users/{userId}/feed	{ "userId": 234 }	200 - Successful Operation { "postId": "234", "groupId": "43", "memberId": "4465", "postData": "This is a really cool feature I found in javascript", "timeStamp": "07/22/2020 2:30 PM" } } - this is also acceptable because some users may not belong to a any group 404 - Not Found { "code": 404, "type": "error", "message": "User Not Found" }
PUT	Updates the users information	https://anchor.com/users/{userId}	{ "userId": "234", "firstName": "John", "lastName": "Stone", "email": "jsmith@gmail.com", "phone": "13148675309", "username": "jsmith" }	200 - Successful Operation { "userId": "234", "firstName": "John", "lastName": "Stone", "email": "jsmith@gmail.com", "phone": "13148675309", "username": "jsmith" } } - this is also acceptable because some users may not belong to a any group 404 - Not Found { "code": 404, "type": "error", "message": "User Not Found" } 400 - Invalid Entry { "code": 400, "type": "error", "message": "invalid entry for user" }

Group Service

This services handles all interactions dealing with group data

Search Group Names

HTTP Methods	Description	Request URL	Parameters	Response
GET	Get a list of group names and descriptions that match what the user inputted in the search box	https://anchor.com/groups	None	200 - Successful Operation { {"groupId":16, "groupName": "Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money"} } {} - also acceptable since you can search and find nothing

Group Creation

HTTP Methods	Description	Request URL	Parameters	Response
POST	Adds new group to database	https://anchor.com/groups	<pre>{ "groupName": "Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money", "milestones": [{ "milestoneName": "Save \$500", "order": 1 }, { "milestoneName": "Save \$1000", "order": 2 }, { "milestoneName": "Save \$1500", "order": 3 }, { "milestoneName": "Save \$2000", "order": 4 }, { "milestoneName": "Save \$2500", "order": 5 }] }</pre>	<p>200 - Successful Operation</p> <pre>{ "groupId": 777, "groupName": "Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money", "milestones": [{ "milestoneId": 1198, "milestoneName": "Save \$500", "order": 1 }, { "milestoneId": 1199, "milestoneName": "Save \$1000", "order": 2 }, { "milestoneId": 1200, "milestoneName": "Save \$1500", "order": 3 }, { "milestoneId": 1201, "milestoneName": "Save \$2000", "order": 4 }, { "milestoneId": 1202, "milestoneName": "Save \$2500", "order": 5 }] }</pre> <p>400 - Invalid Entry</p> <pre>{ "code": 400, "type": "error", "message": "Invalid Entry" }</pre>

Group Page

HTTP Methods	Description	Request URL	Parameters	Response
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GET	Get group information	https://anchor.com/groups/{groupid}	{"groupId": 777}	200 - Successful Operation {"groupId":777, "groupName": "Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money", "milestones": { {"milestoneId": 1198, "milestoneName": "Save \$500", "order": 1}, {"milestoneId": 1199, "milestoneName": "Save \$1000", "order": 2}, {"milestoneId": 1200, "milestoneName": "Save \$1500", "order": 3}, {"milestoneId": 1201, "milestoneName": "Save \$2000", "order": 4}, {"milestoneId": 1202, "milestoneName": "Save \$2500", "order": 5} } } 404 - Not Found { "code":404, "type": "error", "message": "Group ID Not Found"}
POST	Add member to group	https://anchor.com/groups/{groupid}/members	{"groupId": 9043, "userId": 275, "isActive": true}	200 - Successful Operation {"memberId": 786, "groupId": 9043, "userId": 275, "isActive": true} 404 - Not Found { "code":404, "type": "error", "message": "Group ID Not Found"} { "code":404, "type": "error", "message": "User ID Not Found"}
GET	Get group posts	https://anchor.com/groups/{groupid}/feed	{"groupId": 9043}	

POST	Add post to group	https://anchor.com/groups/{groupid}/posts	{ "groupid": 6687, "memberId": 235, "postData": "How is everyone doing today? I feel great today!", "likes": 0, "timestamp": 07-10-2020 10:35 pm }	200 - Successful Operation { "postId": 495654, "groupid": 6687, "memberId": 235, "postData": "How is everyone doing today? I feel great today!", "likes": 0, "timestamp": 07-10-2020 10:35 pm } 404 - Not Found { "code": 404, "type": "error", "message": "Group ID Not Found" } 400 - Invalid Entry { "code": 400, "type": "error", "message": "Invalid Entry" }
POST	Add comment to post in group	https://anchor.com/groups/{groupid}/posts/{postId}/comments	{ "groupid": 908, "postId": 6755, "memberId": 235, "commentData": "I really loved episode 203 of My Hero Academia", "timestamp": 02-22-2020 3:54 pm }	200 - Successful Operation { "commentId": 8857, "postId": 6755, "memberId": 235, "commentData": "I really loved episode 203 of My Hero Academia", "timestamp": 02-22-2020 3:54 pm } 404 - Not Found { "code": 404, "type": "error", "message": "Group ID Not Found" } { "code": 404, "type": "error", "message": "Post ID Not Found" } 400 - Invalid Entry { "code": 400, "type": "error", "message": "Invalid Entry. Could not add comment" }

POST	Add reply to comment in post in group	https://anchor.com/groups/{groupId}/posts/{postId}/comments/{commentId}/comments	<pre>{ "groupId": 3345, "postId": 543, "commentId": 6755, "memberId": 235, "commentData": "I really loved episode 203 of My Hero Academia", "timestamp": 02-22-2020 3:54 pm}</pre>	<p>200 - Successful Operation</p> <pre>{ "id": 8857, "commentId": 6755, "memberId": 235, "commentData": "I really loved episode 203 of My Hero Academia", "timestamp": 02-22-2020 3:54 pm}</pre> <p>404 - Not Found</p> <pre>{ "code": 404, "type": "error", "message": "comment ID Not Found"}</pre> <p>400 - Invalid Entry</p> <pre>{ "code": 400, "type": "error", "message": "Invalid Entry. Could not add comment"}</pre>
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PUT	Update group information (must be the group admin)	https://anchor.com/groups/{groupid}	{ "groupid": 777, "groupName": "The Journey to Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money", "milestones": { { "milestoneId": 1198, "milestoneName": "Save \$500", "order": 1 }, { "milestoneId": 1199, "milestoneName": "Save \$1000", "order": 2 }, { "milestoneId": 1200, "milestoneName": "Save \$1500", "order": 3 }, { "milestoneId": 1201, "milestoneName": "Save \$2000", "order": 4 }, { "milestoneId": 1202, "milestoneName": "Save \$2500", "order": 5 } } }	200 - Successful Operation { "groupid": 777, "groupName": "The Journey to Financial Freedom", "groupDescription": "This group strives to give everyone the ability to financially free themselves from the struggles of living paycheck to paycheck and build savings and budget properly", "groupGoals": "Build a savings as well as budget your money", "milestones": { { "milestoneId": 1198, "milestoneName": "Save \$500", "order": 1 }, { "milestoneId": 1199, "milestoneName": "Save \$1000", "order": 2 }, { "milestoneId": 1200, "milestoneName": "Save \$1500", "order": 3 }, { "milestoneId": 1201, "milestoneName": "Save \$2000", "order": 4 }, { "milestoneId": 1202, "milestoneName": "Save \$2500", "order": 5 } } } 404 - Not Found { "code": 404, "type": "error", "message": "Group ID Not Found" } 400 - Invalid Entry { "code": 400, "type": "error", "message": "Invalid Entry" }
DELETE	Delete post in a group (if you are the creator of the post)	https://anchor.com/groups/{groupid}/posts/{postId}	{ "groupid": 443, "postId": 495654 }	200 - Successful Operation { "code": 200, "type": "unknown", "message": "OK" } 404 - Not Found { "code": 404, "type": "error", "message": "Group ID Not Found" } { "code": 404, "type": "error", "message": "Post ID Not Found" }

DELETE	Delete group (only of admin)	https://anchor.com/groups/{groupid}	{"groupid": 4432}	200 - Successful Operation {"code":200, "type": "unknown", "message": "OK"} 404 - Not Found {"code":404, "type": "error", "message": "Group ID Not Found"}
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Post Page

HTTP Methods	Description	Request URL	Parameters	Response
GET	Get post information	https://anchor.com/groups/{groupid}/posts/{postId}	{"groupid": 6687, "postId": 495654}	200 - Successful Operation {"postId": 495654, "groupId": 6687, "memberId": 235, "postData": "How is everyone doing today? I feel great today!", "likes": 0, "timestamp": "07-10-2020 10:35 pm"} 404 - Not Found {"code":404, "type": "error", "message": "Group ID Not Found"} 400 - Invalid Entry {"code":400, "type": "error", "message": "Invalid Entry"}

GET	Get Comments associated with post	https://anchor.com/groups/{groupId}/posts/{postId}/comments	{"groupId":8454,"postId":6755}	200 - Successful Operation {"commentId":8857,"postId":6755,"memberId":235,"commentData": "I really loved episode 203 of My Hero Academia", "timestamp": "02-22-2020 3:54 pm"} 404 - Not Found {"code":404,"type": "error", "message": "Group ID Not Found"} {"code":404,"type": "error", "message": "Post ID Not Found"} 400 - Invalid Entry {"code":400,"type": "error", "message": "Invalid Entry. Could not add comment"}
POST	Like a post	https://anchor.com/groups/{groupId}/posts/{postId}/Likes	{"groupId":212,"postId":28976,"memberId":423}	200 - Successful Operation {"memberId":423,"liked":33432} 404 - Not Found {"code":404,"type": "error", "message": "Group ID Not Found"} {"code":404,"type": "error", "message": "Post ID Not Found"} {"code":404,"type": "error", "message": "Member ID Not Found"}

Stretch Services

Auth Service

Forgot Password

HTTP Methods	Description	Request URL	Parameters	Response
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GET	Check if user email is in the system by retrieving username	https://anchor.com/auth/users/reset	{ "email": "jsmith@gmail.com", "username": "jsmith"} }	200 - Successful Operation { "code": 200, "type": "unknown", "message": "Password has been reset for User with email account associated with it"} 404 - Not Found { "code": 404, "type": "error", "message": "Could Not Reset. User Not Found"} }
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Notif Service

This service handles pushing and pulling information regarding notification for each user.

Notifications

HTTP Methods	Description	Request URL	Parameters	Response
GET	Get notification associated with user	https://anchor.com/notif/users/{userId}/notifications	{ "userId": 235 }	200 - Successful Operation { {"notificationId":1, "ownerId":24, "type": "post", "data": "jsmith posted in New Cooking Habits"}, {"notificationId":22, "ownerId":23, "type": "post", "data": "tbrown654 posted in New Workout"} }
POST	Add notification for user	https://anchor.com/notif/users/{userId}/notifications	{ "userId": 235, "ownerId": 122, "type": "comment", "data": tbrown Commented on your post in New Cooking Habits} }	200 - Successful Operation { "code":200, "type": "unknown", "message": "OK"} 404 - Not Found { "code": 404, "type": "error", "message": "User Not Found"} 400 - Invalid Entry { "code": 400, "type": "error", "message": "Invalid Entry"} }

DELETE	Delete user notification	https://anchor.com/notif/users/{userId}/notifications/{notificationId}	{"userId":235, "notificationId": 254}	200 - Successful Operation { "code":200, "type": "unknown", "message": "OK"} 404 - Not Found { "code": 404, "type": "error", "message": "User Not Found"} { "code": 404, "type": "error", "message": "Notification Not Found"} }
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Messenger Service

This services handles pulling and pushing direct message conversations for users.

Messages

HTTP Methods	Description	Request URL	Parameters	Response
GET	Get messages between members	https://anchor.com/messages	{"memberId1":4432, "memberId2":3215}	200 - Successful Response { "memberId1":4432, "memberId2":3215, "what are you up to?"}, { "memberId1":4432, "memberId2":3215, "I am watching TV"} }
POST	Add new message to thread	https://anchor.com/messages	{"memberId1":4432, "memberId2":3215, "message": "This is so cool"}	200 - Successful Operation { "code":200, "type": "unknown", "message": "OK"} 404 - Not Found { "code": 404, "type": "error", "message": "message Not Found"} }
DELETE	Delete message in message thread	https://anchor.com/messages	{"messageId":58677}	200 - Successful Operation { "code":200, "type": "unknown", "message": "OK"} 404 - Not Found { "code": 404, "type": "error", "message": "message Not Found"} }