New API of out project based on the previous 4 assignmets

(Sending red envelope in the sendMessage() function of iems5722\_a3.py)

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| API | POST http://3.17.158.90/api/a3/login |
| Descriptions | Account login |
| Input Parameters | * user\_id * password |
| Example | POST the following to the API:  user\_id=864577&password=100312 |
| Sample Output | {  "status": "OK"  } |

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| API | POST http://3.17.158.90/api/a3/sign\_up |
| Descriptions | For Signing up new account |
| Input Parameters | * user\_id * name * password |
| Example | POST the following to the API:  user\_id=864577& user\_name=fangwei&password=100312 |
| Sample Output | {  "status": "OK"  } |

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| API | GET http://3.17.158.90/api/a3/get\_user |
| Descriptions | For check friends information before adding friends |
| Input Parameters | * user\_id |
| Example | <http://3.17.158.90/api/a3/get_user?user_id=864577> |
| Sample Output | {  "status": "OK",  "data": [{"id": 864577, "name": "fangwei2"}]  } |

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| API | GET http://3.17.158.90/api/a3/check\_friend |
| Descriptions | Checking the relationship with the user we want to add friends with (whether friended) |
| Input Parameters | * user\_id * friend\_id |
| Example | <http://3.17.158.90/api/a3/check_friend?user_id=864577&friend_id=123123123> |
| Sample Output | {  "status": "ERROR",  "messages": “NO RELATION WITH THIS ID”  } |

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| API | POST http://3.17.158.90/api/a3/add\_friends |
| Descriptions | Adding friends in DB |
| Input Parameters | * user\_id * friend\_id |
| Example | POST the following to the API:  user\_id=864577&friend\_id=123123123 |
| Sample Output | {  "status": "OK"  } |

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| API | GET http://3.17.158.90/api/a3/get\_wallet |
| Descriptions | Get the money amount of the user |
| Input Parameters | * user\_id |
| Example | <http://3.17.158.90/api/a3/get_wallet?user_id=864577> |
| Sample Output | {  "status": "OK",  "data": [{"wallet": "200.00"}]  } |

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| API | GET http://3.17.158.90/api/a3/get\_friends |
| Descriptions | Get the all names of friends and the ID of chatrooms with them |
| Input Parameters | * user\_id |
| Example | <http://3.17.158.90/api/a3/get_friends?user_id=864577> |
| Sample Output | {  "status": "OK",  "data": {  "friends\_name": ["zhuyifan", "zdzd", "22222", "fangwei1", "aabb", "renzo", "123123123"],  "chatrooms": [17, 42, 44, 50, 55, 48, 49, 56]  }  } |

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| API | GET http://3.17.158.90/api/a3/fetch\_red\_envelope |
| Descriptions | Checking the relationship with the user we want to add friends with (whether friended) |
| Input Parameters | * message\_id * user\_id * chatroom\_id |
| Example | <http://3.17.158.90/api/a3/fetch_red_envelope?message_id=6&user_id=864577&chatroom_id=17> |
| Sample Output | {  "status": "ERROR",  "messages": " EMPTY ENVELOPE"  } |