

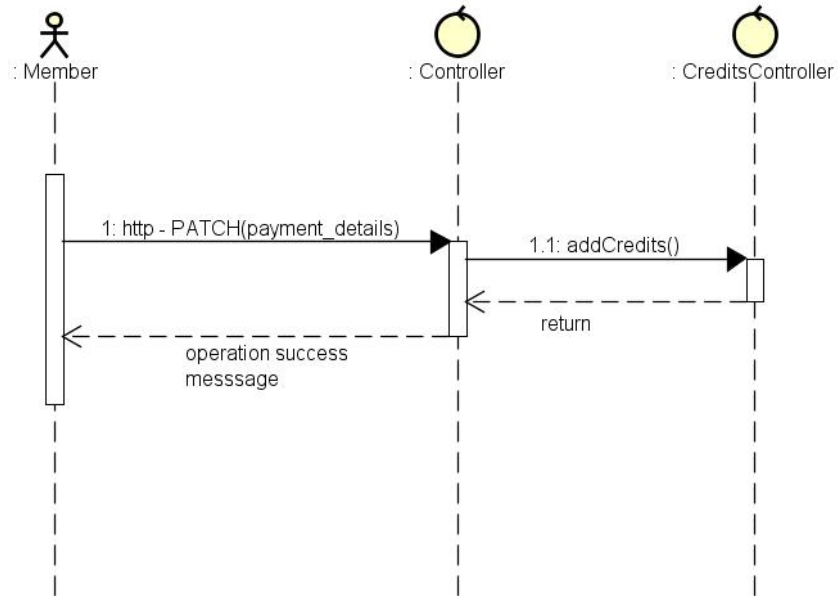
Session 8: System Interface

1) List of all system interfaces and corresponding sequence diagram

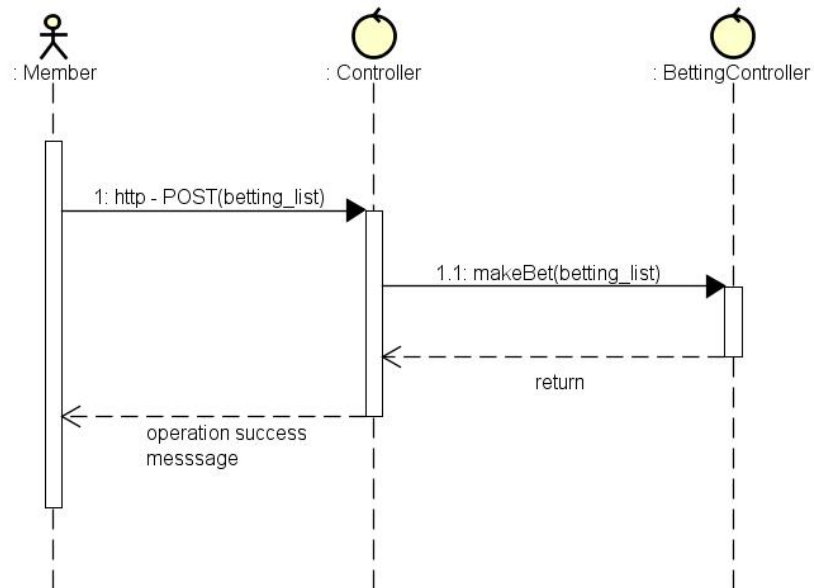
Method	URI	Parameter				Return Value		
		Name	Type	Mandatory	Description	Status Code	Content	Type
POST	/member/create/	username	String	/		200 OK		
		password	String	/		4XX Error	detail	String
		user_betting_list	list	/				
		user_credits	Credits	/				
		name	String	/				
		user_details	String	/				
POST	/admin/create/	username	String	/		200 OK		
		password	String	/		4XX Error	detail	String
		admin_details	String	/				
POST	/team/create/	team_name	String	/		200 OK		
		team_created_yr	String	/		4XX Error	details	String
		team_details	String	/				
		team_analysis	String	/	www.soccerbetting.com/team/{id}/analysis			
		team_logo	String	/	www.imagebuget.com			
		team_match_records	list	/				
		team_player_list	list	/				
POST	/betting_match/create/	match_code	String	/		200 OK		
		match_time	String	/		4XX Error	details	String
		home	String	/				
		visitor	String	/				
		score	String	/				
		match_analysis	String	/	www.soccerbetting.com/match/{id}/analysis			
		betting_rate	String	/				
		maximum	String	/				
		minimum	String	/				
POST	/user/{user_id}/write_report/	to	String	/		200 OK		
		reply_topic	string	/		4XX Error	details	String
		reply_body	String	/				
POST	/user/{user_id}match/{match_id}/write_comment/	user_id	String	/		200 OK		
		match_id	String	/		4XX Error	details	String
		comment	String	/				
GET	/profile_page/{user_id}					200 OK	user_name	String
							user_credits	Credits
							user_betting_list	list
						4XX Error	user_details	String
GET	/admin/{admin_id}					200 OK	admin_id	String
						4XX Error	details	String
GET	/team/{team_id}					200 OK	team_id	String
							team_name	String
							team_created_since	String
							team_league	String
							team_description	String
							team_member	list
							team_analysis	String
						4XX Error	match_list	list
GET	/match/					200 OK	match_list	list
						4XX Error	details	String

GET	/match/{match_id}					200 OK	match_id	String
							match_code	String
							time	String
							home	String
							visitor	String
							score	String
							half	String
							analysis	String
						4XX Error	details	String
GET	/betting_match/{betting_match_id}					200 OK	betting_match_id	String
							match_code	String
							time	String
							home	String
							visitor	String
							score	String
							analysis	String
							betting_rate	String
							maximum_betting	String
							minimum_betting	String
							betting_user_list	list
						4XX Error	details	String
GET	/betting_match/					200 OK	betting_match_list	list
						4XX Error	details	String
GET	/user_transaction/					200 OK	user_transaction_list	String
						4XX Error	details	String
GET	/report/{report_id}/					200 OK	time	String
							from	String
							topic	String
							body	String
						4XX Error	details	String
GET	/match/comment_list/					200 OK	user_comment_list	list
						4XX Error	details	String
PATCH	/member/update/	password	String	default		200 OK		
		user_betting_list	list	default		4XX Error	detail	String
		user_credits	Credits	default				
		name	String	default				
		user_details	String	/				
PATCH	/team/update/	team_details	String	/		200 OK		
		team_analysis	String	/	www.soccerbetting.com/team/{id}/analysis	4XX Error	details	String
		team_logo	String	/	www.imagebuget.com			
		team_match_records	list	/				
		team_player_list	list	/				
PATCH	/betting_match/{betting_match_id}/update/	score	String	/		200 OK		
		match_analysis	String	/	www.soccerbetting.com/match/{id}/analysis	4XX Error	details	String
		betting_rate	String	/				
		maximum	String	/				
		minimum	String	/				
PATCH	/user/{user_id}match/{match_id}/write_comment/	comment	String	/		200 OK		
		edit_time	String	/		4XX Error	details	String
DELETE	/betting_match/{betting_match_id}/delete/					200 OK		
						4XX Error	details	String
DELETE	/member/{member_id}/delete/					200 OK		
						4XX Error	details	String
DELETE	/admin/{admin_id}/delete/					200 OK		
						4XX Error	details	String
DELETE	/match_id/comment/{comment_id}/					200 OK		
						4XX Error	details	String

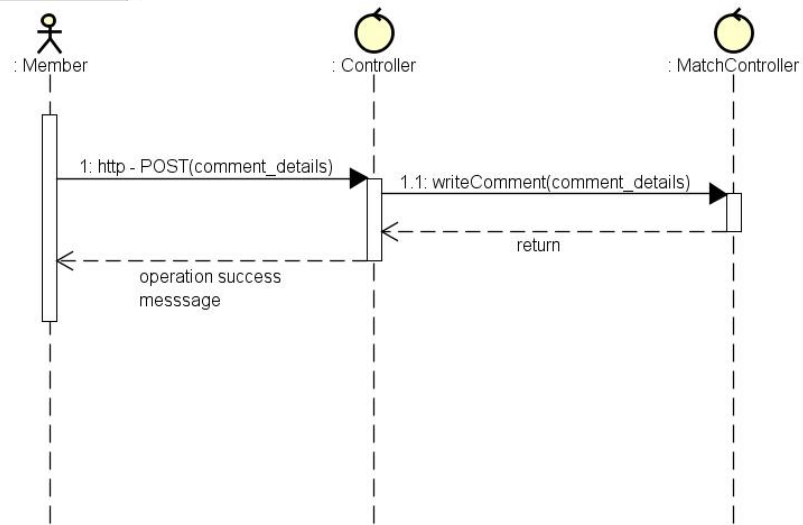
sd Add Credits - addCredits(payment_details)



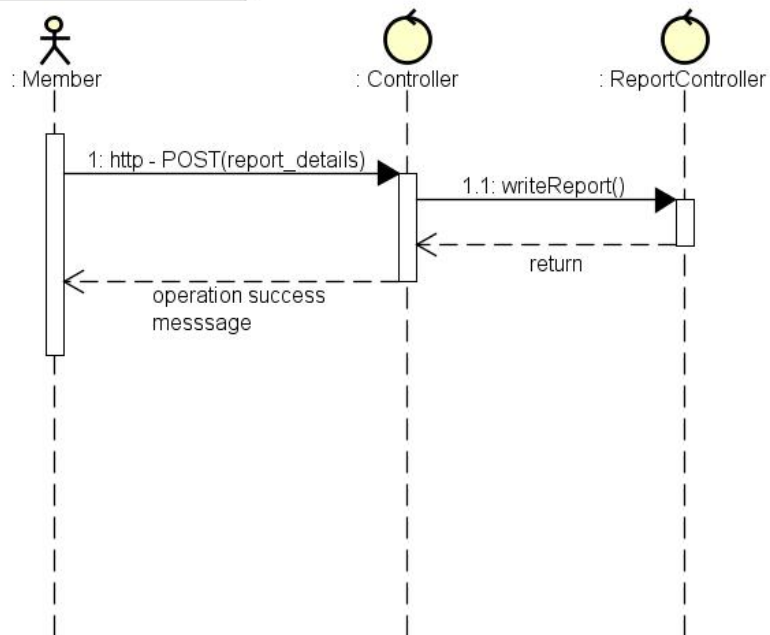
sd Betting - makeBet



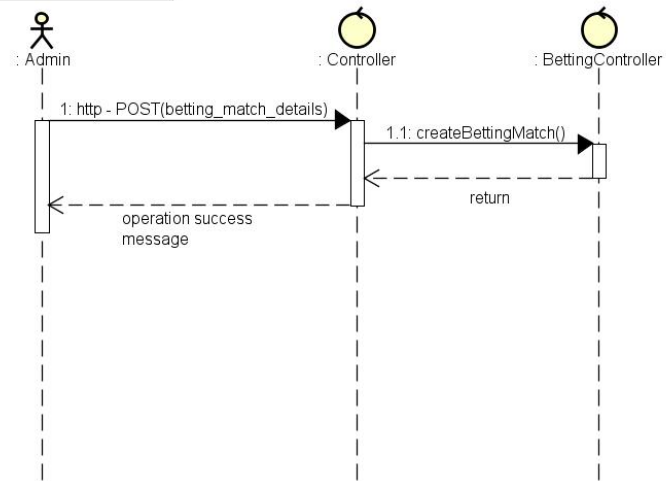
sd Comment Match - writeComment



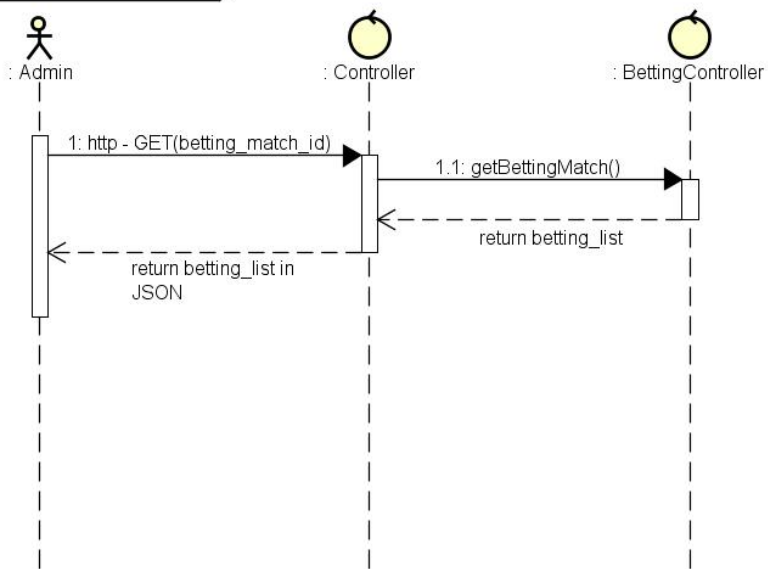
sd Report Any Problem - writeReport



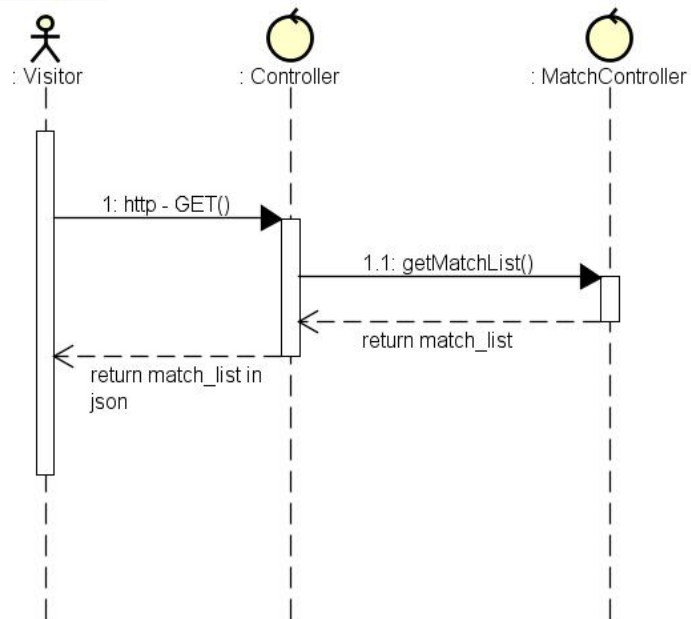
sd Set Betting Match - createBettingMatch



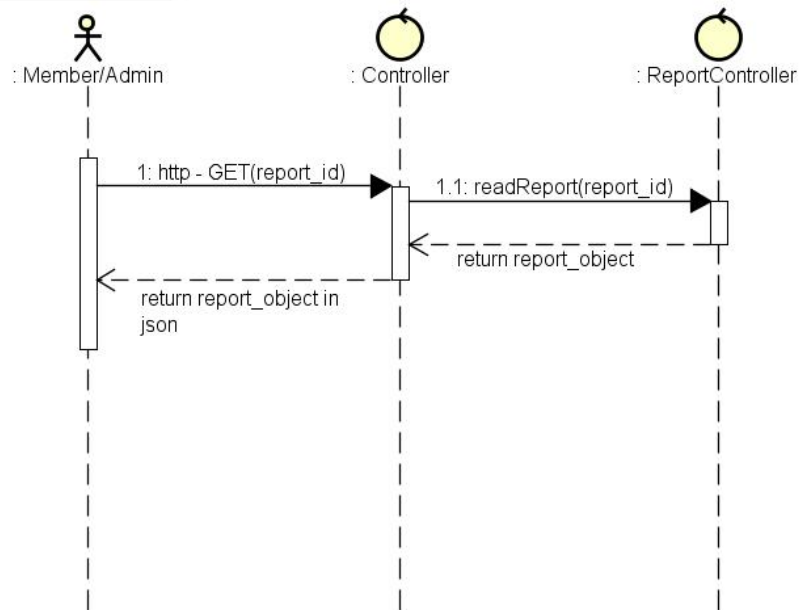
sd View Betting Match - getBettingMatch

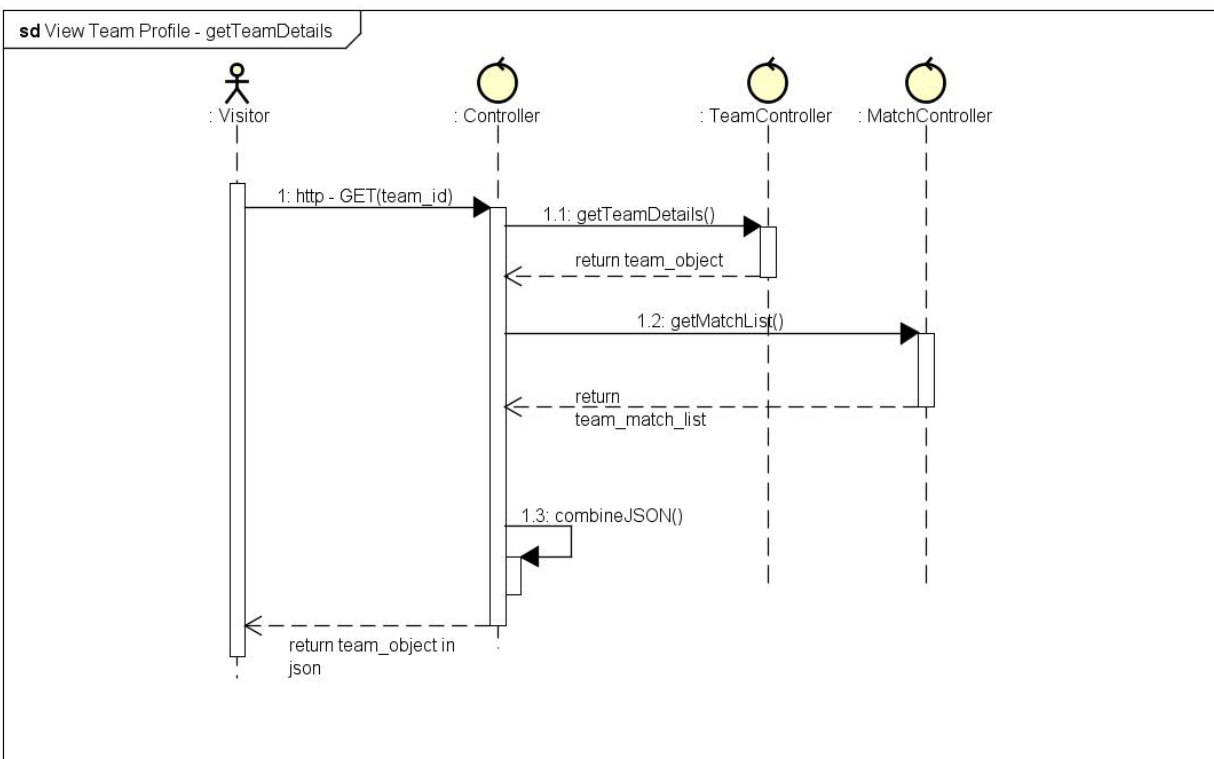
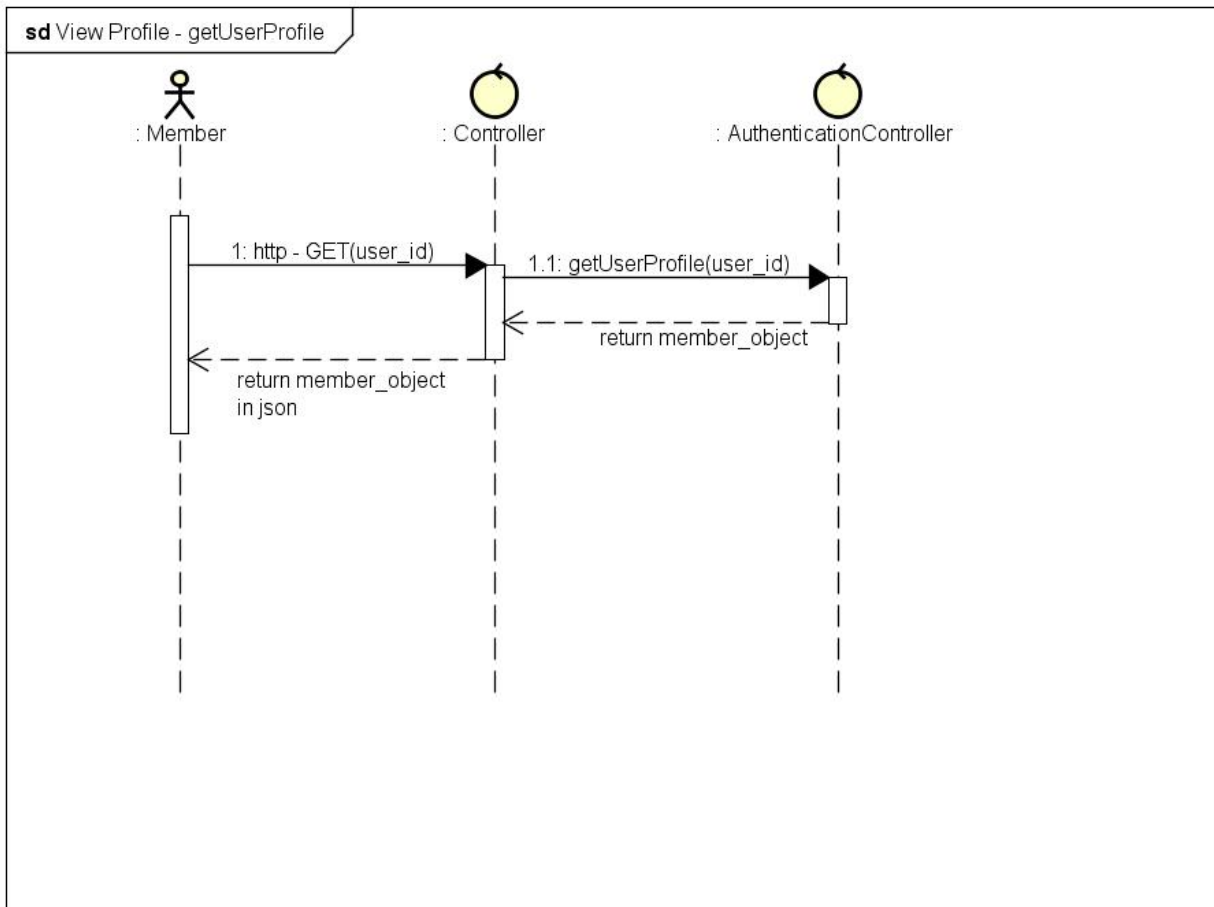


sd View Match Result- getMatchList

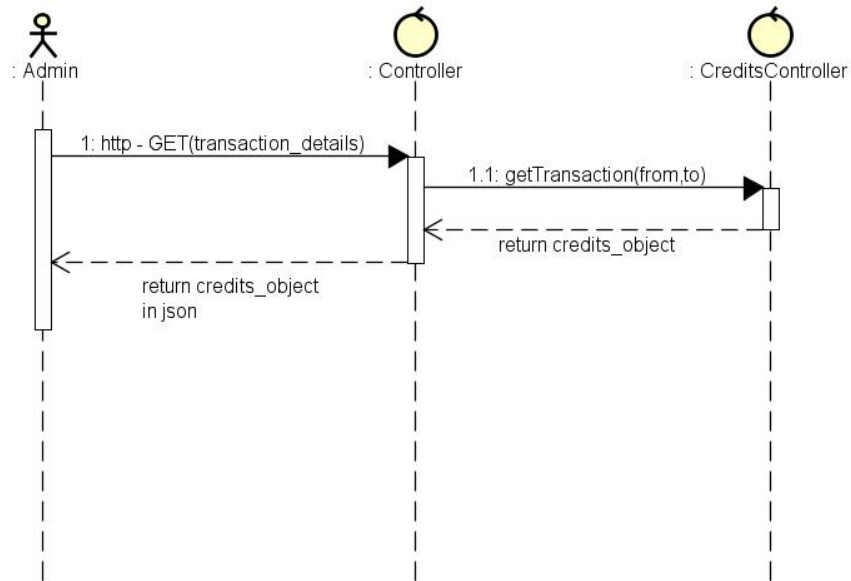


sd View Message - getReport

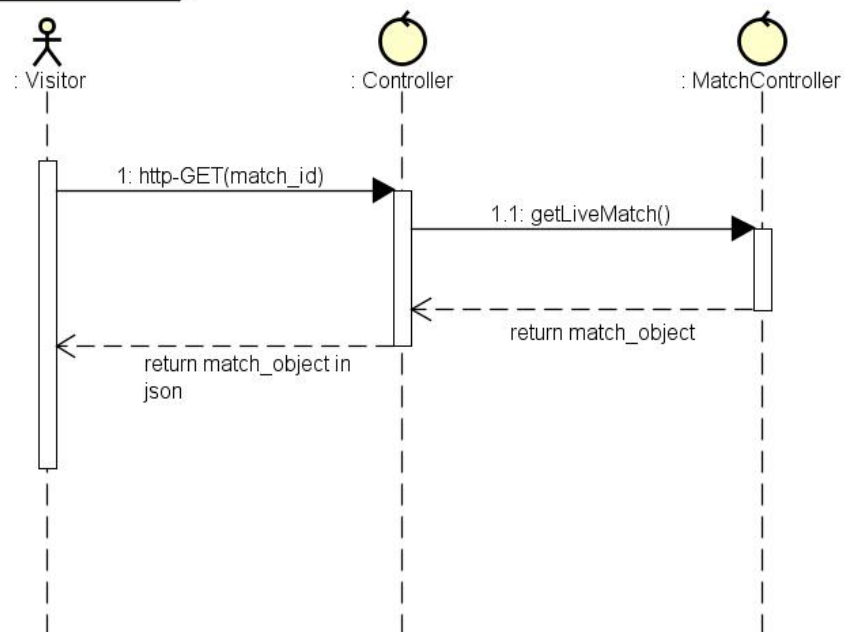




sd View Transaction - getTransaction



sd Watch Live Match - getLiveMatch



2) JSON or XML data unit specification

1. Watch Live Match: GET - /match/{match_id}/

Response

```
{
  "match_id": "0001",
  "match_code": "EKG13",
  "match_time": "TIMESTAMP",
  "home": "Team A",
  "visitor": "Team B",
  "score": "0-0",
  "half": "0-0",
  "live_match_ref": "www.livematch.com/EKG13/"
}
```

2. View Match History: GET - /match/

Response

```
{
  "match_list": [
    {
      "match_id": "0001",
      "match_code": "EKG13",
      "time": "TIMESTAMP",
      "home": "Team A",
      "visitor": "Team B",
      "score": "0-0",
      "half": "0-0",
      "analysis": "www.soccerbetting.com/match/{id}/analysis"
    }
  ]
}
```

3. View Team Profile: GET - /team/{team_id}/

Response

Team Part

```
{
  "team_id": "00001",
  "team_name": "Team A",
  "team_created_since": "1997",
  "team_league": "League",
  "team_country": "Country",
  "team_description": "Lorem Ipsum",
  "team_member": [
    {
      "player_name": "Mr.A",
      "player_img": "www.photobucket.com/mr_a_picture",
    }
  ],
  "team_analysis": {
    "team_analysis_report": "loremIpsum",
    "team_strategies_list": "strategy_list",
    "team_graph_report": "[\"x_axis\", \"y_axis\", [1,2,3,4,4,6]]"
  }
}

{
  "match_list": [
    "match": {
      "match_id": "0001",
      "match_code": "EKG13",
      "time": "TIMESTAMP",
      "home": "Team A",
      "visitor": "Team B",
      "score": "0-0",
      "half": "0-0",
      "analysis": "www.soccerbetting.com/match/{id}/analysis"
    }
  ]
}
```

4. View Profile: GET - /profile_page/{user_id}/

Response

Profile Part

```
{
  "user_name": "krai"
  "user_credits": "9999",
  "user_current_bet": [{
    "betting_match_id": "0001",
    "match_code": "EKG13",
    "time": "TIMESTAMP",
    "home": "Team A",
    "visitor": "Team B",
    "score": "0-0",
    "analysis": "www.soccerbetting.com/match/{id}/analysis",
    "chosen_team": "1",
  ]
}
```

5. Betting: PATCH - /betting_match/{betting_match_id}/update/

Request

```
{
  "user_id": "0001",
  "betting_list": [{
    "match_code": "EKG13",
    "chosen_team": "1",
    "amount": "125"
  }]
}
```

Response

```
{"reply_message": "betting"}
```

6. AddCredits: PATCH - /member/update/

Request

```
{
  "itemCode": "FALK15AS1AF",
  "userId": "0001",
  "amount": "999"
}
```

Response

```
{"confirm": "payment"}
```

7. CommentMatch: POST - /user/{user_id}match/{match_id}/write_comment/

Request

```
{
  "user_id": "0001",
  "match_id": "EKG13",
  "comment": "lorem Ipsum"
}
```

Response

```
{"confirm": "comment"}
```

8. Report Any Problem: POST - /user/{user_id}/write_report/

Request

```
{  
  "user_id": "0001",  
  "report_topic": "lorem",  
  "report_body": "Ipssum"  
}
```

Response

```
{"confirm": "report"}
```

9. View Message: GET - /report/{report_id}/

Response

```
{  
  "user_id": "0001",  
  "from": "system",  
  "topic": "lorem",  
  "body": "Ipssum"  
}
```

10. View Transaction: GET - /user_transaction/

Response

```
{
  "transaction_list":[
    {
      "payment_date":"17/11/17",
      "itemCode":"FALK15AS1AF",
      "user_id":"0001",
      "amount":"999",
    }
  ]
}
```

11. Set Betting Match: POST - /betting_match/create/

Request

```
{
  "admin_id":"0001",
  "match_code":"EKG13",
  "betting_rate":"1:0.95",
  "maximum_betting":"999",
  "minimum_betting":"150"
}
```

Response (if member views the betting page)

```
{
  "betting_match_list":[
    {
      "betting_match_id":"0001",
      "match_code":"EKG13",
      "time":"TIMESTAMP",
      "home":"Team A",
      "visitor":"Team B",
      "score":"0-0",
      "analysis":"www.soccerbetting.com/match/{id}/analysis",
      "betting_rate":"1:0.95",
      "maximum_betting":"999",
      "minimum_betting":"150"
    }
  ]
}
```

12. View Betting Match (admin): GET - /betting_match/{betting_match_id}/

Response

```
{
  "match":{
    "betting_match_id":"0001",
    "match_code":"EKG13",
    "time":"TIMESTAMP",
    "home":"Team A",
    "visitor":"Team B",
    "score":"0-0",
    "analysis":"www.soccerbetting.com/match/{id}/analysis",
    "betting_rate":"1:0.95",
    "maximum_betting":"999",
    "minimum_betting":"150"
    "betting_user_list":[user_list]
  }
}
```

13. Receiving Report: GET - /report/{report_id}/

Response

```
{
  "time":"TIMESTAMP",
  "from":"user_01",
  "topic":"lorem",
  "body":"Ipssum"
}
```

14. Reply Report: POST - /user/{user_id}/write_report/

Request

```
{
  "admin_id":"0001",
  "to":"user_01",
  "reply_topic":"lorem",
  "reply_body":"Ipssum"
}
```

Response

```
{"confirm":"report"}
```