**API Reference**

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**Information**

**Current Release: V1.0**

**Release Notes:**

* Ability to Create, Login, and Get Users
* Ability to Create, Assign and Get Surveys
* Ability to Create, Assign, Get Multiple Choice Questions

**Upcoming Changes:**

* Ability to edit and delete Users/Surveys/Questions
* Full control of Slider Questions

**Helpful:**

{Admin} = Requires Administrator access to perform

{Personal} = Requires personal access, User ID and User ApiKey must match

{Variable::Optional} = Variable is optional, a default value will be given if not inserted

**Production Environment (V0.0):**

N/A

**QA Environment (V1.0):**

http://devellisment.com/Capstone

**Development Environment:**

http://173.49.41.82/Capstone/

**User – V1.0**

**Find User by Id {Admin} / {Personal}**

GET: /API/user.php/?id={id}&ApiKey={ApiKey}

Return Value: UserDto

*UserDto*

Name Data Type Description

Id int Id

Username String Username

Subject int Is a subject; 0 = non-subject, 1 = subject

Admin int Level of admin; 0 = non-admin, 1 = admin

ApiKey String Secret key of user to access API

Surveys SurveyDto List of Surveys and values

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 User not found

**Find User by Username {Admin} / {Personal}**

GET: /API/user.php/?username={username}&ApiKey={ApiKey}

Return Value: UserDto

*UserDto*

Name Data Type Description

Id int Id

Username String Username

Subject int Is a subject; 0 = non-subject, 1 = subject

Admin int Level of admin; 0 = non-admin, 1 = admin

ApiKey String Secret key of user to access API

Surveys SurveyDto List of Surveys and values

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 User not found

**Get All Users {Admin}**

GET: /api/user.php/?all=true&ApiKey={ApiKey}

Return Value: UserDto Array

*UserDto*

Name Data Type Description

Id int Id

Username String Username

Subject int Is a subject; 0 = non-subject, 1 = subject

Admin int Level of admin; 0 = non-admin, 1 = admin

ApiKey String Secret key of user to access API

Surveys SurveyDto List of Surveys and values

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 No users found

**Create new User {Admin}**

POST: /API/user.php

HTTP Content: {“ApiKey”:”{ApiKey}”, “r” : “create”, “username”:”{username}”, “password”:”{password}”, “admin”: {admin}, “subject”:{subject} }

Return Value: Status, Message

Status Message

201 User successfully created

*Response Errors*

HTTP Status Code Reason

401 Unauthorized APIKey

400 Username / Password does not meet requirements

409 Username already exists

500 Server Error

**Login**

POST: /API/user.php

HTTP Content: {“username”:”{username}”, “password”:”{password}”}

Return Value: UserDto

*UserDto*

Name Data Type Description

Id int Id

Username String Username

Subject int Is a subject; 0 = non-subject, 1 = subject

Admin int Level of admin; 0 = non-admin, 1 = admin

ApiKey String Secret key of user to access API

*Response Errors*

HTTP Status Code Reason

400 Invalid Request

401 Invalid Password

404 User not found

**Assign Survey {Admin}**

POST: /API/user.php?user={id}

HTTP Content: {“r”:”assign”, “survey”:”{SurveyId}”, “ApiKey”:”{ApiKey}”}

Return Value: Status, Message

Status Message

200 Successfully assigned survey to user

*Response Errors*

HTTP Status Code Reason

401 Unauthorized APIKey

400 Invalid request parameters

409 Survey already assigned to user

500 Server Error

**Survey – V1.0**

**Find Survey by Id {Admin}**

GET: /API/survey.php/?id={id}&ApiKey={ApiKey}

Return Value: SurveyDto

*SurveyDto*

Name Data Type Description

Id int Id

Name String Name of Survey

Description String Description of Survey

Delay int Time between re-takes in seconds

Questions QuestionDto Array List of questions assigned to survey

*QuestionDto*

Name Data Type Description

Id int Id

Type String Type of Question

Question String Question

Choices String Array Will display all choices if multiple choice in order

Start int Will display start value of Slider, if Slider

End int Will display end value of Slider, if Slider

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 Survey not found

**Find Survey by Name {Admin}**

GET: /API/survey.php/?name={name}&ApiKey={ApiKey}

Return Value: SurveyDto

*SurveyDto*

Name Data Type Description

Id int Id

Name String Name of Survey

Description String Description of Survey

Delay int Time between re-takes in seconds

Questions QuestionDtoArray List of questions assigned to survey

*QuestionDto*

Name Data Type Description

Id int Id

Type String Type of Question

Question String Question

Choices String Array Will display all choices if multiple choice in order

Start int Will display start value of Slider, if Slider

End int Will display end value of Slider, if Slider

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 Survey not found

**Get all Surveys {Admin}**

GET: /API/survey.php/?all=true&ApiKey={ApiKey}

Return Value: SurveyDto Array

*SurveyDto*

Name Data Type Description

Id int Id

Name String Name of Survey

Description String Description of Survey

Delay int Time between re-takes in seconds

Questions QuestionDto Array List of questions assigned to survey

*QuestionDto*

Name Data Type Description

Id int Id

Type String Type of Question

Question String Question

Choices String Array Will display all choices if multiple choice in order

Start int Will display start value of Slider, if Slider

End int Will display end value of Slider, if Slider

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 Not Surveys found

**Create Survey {Admin}**

POST: /API/survey.php

HTTP Content: {“ApiKey”:”{ApiKey}”, “r” : “create”, “name”:”{name}”, “description”:”{description}”, “delay”: {delay}}

Return Value: Status, Message

Status Message

201 Survey successfully created

*Response Errors*

HTTP Status Code Reason

401 Unauthorized ApiKey

400 Survey Name invalid

500 Server Error

**Question – V1.0**

**Find Question by Id {Admin}**

GET: /API/question.php/?id={id}&ApiKey={ApiKey}

Return Value: QuestionDto

*QuestionDto*

Name Data Type Description

Id int Id

Type String Type of Question

Question String Question

Choices String Array Will display all choices if multiple choice in order

Start int Will display start value of Slider, if Slider

End int Will display end value of Slider, if Slider

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 User not found

**Get all Questions {Admin}**

GET: /API/question.php/?all=true&ApiKey={ApiKey}

Return Value: QuestionDto Array

*QuestionDto*

Name Data Type Description

Id int Id

Type String Type of Question

Question String Question

Choices String Array Will display all choices if multiple choice in order

Start int Will display start value of Slider, if Slider

End int Will display end value of Slider, if Slider

*Response Errors*

HTTP Status Code Reason

400 Invalid request

401 Unauthorized ApiKey

404 No Questions found

**Create Multiple Choice Question {Admin}**

POST: /API/question.php

HTTP Content: {“ApiKey”:”{ApiKey}”, “r”:”create”, “type”:”multipleChoice”, “question”:”{question}”, “choices”: {stringArray}}

Return Value: Status, Message

Status Message

201 Question successfully created

*Response Errors*

HTTP Status Code Reason

401 Unauthorized ApiKey

400 Question invalid

500 Server Error

**Create Slider Question {Admin}**

POST: /API/question.php

HTTP Content: {“ApiKey”:”{ApiKey}”, “r”:”create”, “type”:”slider”, “question”:”{question}”, “start”: {start }, “end”:{end}}

Return Value: Status, Message

Status Message

201 Question successfully created

*Response Errors*

HTTP Status Code Reason

401 Unauthorized ApiKey

400 Question invalid

500 Server Error

**Assign Question {Admin}**

POST: /API/question.php

HTTP Content: {“r”:”assign”, “survey”:”{SurveyId}”, “question”:”{QuestionId}”, “order”:”{OrderNum::OPTIONAL}”, “page” :”{PageNum::OPTIONAL}”, “ApiKey”:”{ApiKey}”}

Return Value: Status, Message

Status Message

200 Successfully assigned question to survey

*Response Errors*

HTTP Status Code Reason

401 Unauthorized APIKey

400 Invalid request parameters

409 Survey already assigned to user

500 Server Error