**Text Management Tool REST SPEC**

**Text Schema**

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| **Field Name** | **Type** | **Description** |
| text | String | This field contains the text user wants to submit. |
| user | String | This field contains the User Name of the person who is posting the Text. |
| city | String | This field denotes the city of the user who is posting the text. |
| \_id | String (Auto Generated) | This field denotes the id of the text and is unique and auto generated upon post. |
| date | Date (Auto Generated) | This field denotes the date when the text was posted and is auto generated using the current date. |
| parentId | String | This field denotes the id of the text to which the current text is a reply to. |
| children | Array of Text Schema | This field denotes the composite text structure. It is an array of the Text Schema itself. All the texts which are replies to current text are stored in this array and so on recursively. |

**Getting All Texts**

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| **Title** | **Get all Texts**  **This service returns all the texts.** |
| **URL** | *http://localhost:3000/texts* |
| **Method** | **GET** |
| **Headers** | **Key Value**  Content-Type Application/Json |
| **Success Response** | **Code:** 200  **Content:**   [  {  "text": "Welcome to Text Management Tool",  "city": "cityText",  "user": "admin",  "\_id": "57b9fccc0013be442f00174d",  "date": "2016-08-21T19:11:08.951Z",  “parentId": "55f5fdfh0013be442f20146d"  },  {  "text": "Welcome to Text Management Tool",  "city": "cityText",  "user": "admin",  "\_id": "55f5fdfh0013be442f20146d",  "date": "2016-08-21T19:11:08.951Z",  “parentId": "57b9fccc0013be442f00174d"  }  ] |
| **Error Response** | **Code:** 400 Bad Request |
| **Notes** |  |

**Getting all Texts in Forum View**

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| **Title** | **Get all Texts in Forum View**  **This service returns all the texts in Forum View** |
| **URL** | *http://localhost:3000/texts/forumView* |
| **Method** | **GET** |
| **Headers** | **Key Value**  Content-Type Application/Json |
| **Success Response** | **Code:** 200  **Content:**   [  {  "\_id": "57ba059f0013be442f00174e",  "city": "toronto",  "text": "Welcome to Text Management Tool",  "user": "admin",  "date": "2016-08-21T19:48:47.261Z"  "children": [  {  "\_id": "57ba05b60013be442f00174f",  "city": "toronto",  "text": "Thank You",  "user": "admin2",  "parentId": "57ba059f0013be442f00174e",  "children": [],  "date": "2016-08-21T19:49:10.002Z"  }  ],  }] |
| **Error Response** | **Code:** 400 Bad Request |
| **Notes** |  |

**Posting a Text**

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| **Title** | **Post a Text**  **This service posts a Text.** |
| **URL** | *http://localhost:3000/texts* |
| **Method** | **POST** |
| **Data Params** | {  "text": "Welcome to Text Management Tool",  "city": "cityText",  "user": "admin",  “parentId": "55f5fdfh0013be442f20146d"  } |
| **Headers** | **Key Value**  Content-Type Application/Json |
| **Success Response** | **Code:** 200  **Content:**    {  "text": "Welcome to Text Management Tool",  "city": "cityText",  "user": "admin",  "\_id": "57b9fccc0013be442f00174d",  "date": "2016-08-21T19:11:08.951Z",  “parentId": "55f5fdfh0013be442f20146d"  } |
| **Error Response** | **Code:** 400 Bad Request  **Response:** "Mandatory fields, text or/and user are missing" |
| **Notes** |  |