

## API DOCUMENTATION

```
{
  "swagger": "2.0",
  "basePath": "/",
  "paths": {
    "/locations": {
      "get": {
        "responses": {
          "400": {
            "description": "Bad request"
          },
          "200": {
            "description": "success",
            "schema": {
              "$ref": "#/definitions/model to view locations"
            }
          }
        },
        "summary": "interface to view details of all locations",
        "operationId": "view all locations ",
        "tags": [
          "location"
        ]
      }
    },
    "/locations/{id}": {
      "parameters": [
        {
          "description": "location id",
          "name": "id",
          "in": "path",
          "required": true,
          "type": "integer"
        }
      ],
      "get": {
        "responses": {
          "400": {
            "description": "Bad request"
          },
          "200": {
            "description": "success",
            "schema": {
              "$ref": "#/definitions/model for viewing a location"
            }
          }
        }
      }
    }
  }
}
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    },
    "summary": "interface to view location details",
    "operationId": "view a location ",
    "tags": [
        "location"
    ]
},
"post": {
    "responses": {
        "400": {
            "description": "bad request"
        },
        "201": {
            "description": "Created"
        }
    },
    "summary": "interface to add new location",
    "operationId": "add a new location",
    "parameters": [
        {
            "name": "payload",
            "required": true,
            "in": "body",
            "schema": {
                "$ref": "#/definitions/model for adding new location"
            }
        }
    ],
    "tags": [
        "location"
    ]
},
"delete": {
    "responses": {
        "404": {
            "description": "not found"
        },
        "400": {
            "description": "bad request"
        },
        "200": {
            "description": "success"
        }
    },
    "summary": "interface to delete a location",
    "operationId": "delete a location",
    "tags": [
        "location"
    ]
}

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    ]
  }
},
"/spaceships": {
  "get": {
    "responses": {
      "400": {
        "description": "Bad request"
      },
      "200": {
        "description": "success",
        "schema": {
          "$ref": "#/definitions/model to view spaceships"
        }
      }
    },
    "summary": "interface to view all spaceships",
    "operationId": "view all spaceships ",
    "tags": [
      "spaceship"
    ]
  }
},
"/spaceships/{id}": {
  "parameters": [
    {
      "description": "spaceship id",
      "name": "id",
      "in": "path",
      "required": true,
      "type": "integer"
    }
  ],
  "get": {
    "responses": {
      "404": {
        "description": "Not found"
      },
      "200": {
        "description": "success",
        "schema": {
          "$ref": "#/definitions/model to view spaceship"
        }
      }
    },
    "summary": "interface to view spaceship details",
    "operationId": "view a spaceship ",
    "tags": [

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        "spaceship"
    ]
},
"post": {
    "responses": {
        "400": {
            "description": "Bad request"
        },
        "201": {
            "description": "created"
        }
    },
    "summary": "interface to add spaceship ",
    "operationId": "add a new spaceship ",
    "parameters": [
        {
            "name": "payload",
            "required": true,
            "in": "body",
            "schema": {
                "$ref": "#/definitions/model to add spaceship"
            }
        }
    ],
    "tags": [
        "spaceship"
    ]
},
"put": {
    "responses": {
        "404": {
            "description": "not found"
        },
        "400": {
            "description": "Bad request"
        },
        "200": {
            "description": "success"
        }
    },
    "summary": "interface to update status of spaceship",
    "operationId": "update spaceship status",
    "parameters": [
        {
            "name": "payload",
            "required": true,
            "in": "body",
            "schema": {

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        "$ref": "#/definitions/model to update spaceship status"
      }
    }
  ],
  "tags": [
    "spaceship"
  ]
},
"delete": {
  "responses": {
    "404": {
      "description": "not found"
    },
    "200": {
      "description": "success"
    }
  },
  "summary": "interface to remove a spaceship ",
  "operationId": "update spaceship status",
  "tags": [
    "spaceship"
  ]
}
},
"/travel": {
  "post": {
    "responses": {
      "404": {
        "description": "not found"
      },
      "400": {
        "description": "Bad request"
      },
      "200": {
        "description": "success"
      }
    },
    "summary": "interface for spaceship travel",
    "operationId": "travel functionality ",
    "parameters": [
      {
        "name": "payload",
        "required": true,
        "in": "body",
        "schema": {
          "$ref": "#/definitions/input model for travel functionality"
        }
      }
    ]
  }
}

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    ],
    "tags": [
        "travel"
    ]
},
"/travel/{spaceship_id}/{location_id}": {
    "parameters": [
        {
            "name": "spaceship_id",
            "in": "path",
            "required": true,
            "type": "string"
        },
        {
            "name": "location_id",
            "in": "path",
            "required": true,
            "type": "string"
        }
    ],
    "post": {
        "responses": {
            "404": {
                "description": "not found"
            },
            "400": {
                "description": "Bad request"
            },
            "200": {
                "description": "success"
            }
        },
        "summary": "interface for spaceship travel",
        "operationId": "travel functionality ",
        "tags": [
            "travel"
        ]
    }
},
"info": {
    "title": "Stomble spaceships Restplus API",
    "version": "1.0",
    "description": "This api is a system to manage the logistics of Stomble\u2019s fleet of spaceships\r\n\r\n\r\n\r\nBy Allen Kombasseril"
},
"produces": [

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    "application/json"
  ],
  "consumes": [
    "application/json"
  ],
  "tags": [
    {
      "name": "location",
      "description": "location related operations:"
    },
    {
      "name": "spaceship",
      "description": "spaceship related operations:"
    },
    {
      "name": "travel",
      "description": "travel related operations:"
    }
  ],
  "definitions": {
    "model to view locations": {
      "properties": {
        "locations": {
          "type": "array",
          "description": "list of all locaitons ",
          "items": {
            "$ref": "#/definitions/model for viewing a location"
          }
        }
      },
      "type": "object"
    },
    "model for viewing a location": {
      "properties": {
        "id": {
          "type": "integer",
          "description": "location id"
        },
        "city": {
          "type": "string",
          "description": "name of city"
        },
        "planet": {
          "type": "string",
          "description": "name of planet"
        },
        "capacity": {
          "type": "integer",

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    "description": "capacity of location"
  },
  "availability": {
    "type": "integer",
    "description": "availalibity in location"
  },
  "spaceships": {
    "type": "array",
    "description": "list of spaceship in location ",
    "items": {
      "$ref": "#/definitions/model of spaceship in location"
    }
  }
},
"type": "object"
},
"model of spaceship in location": {
  "properties": {
    "id": {
      "type": "string",
      "description": "spaceship id"
    },
    "name": {
      "type": "string",
      "description": "name of spaceship"
    },
    "model": {
      "type": "string",
      "description": "model of spaceship"
    },
    "status": {
      "type": "string",
      "description": "spaceship status"
    }
  },
  "type": "object"
},
"model for adding new location": {
  "properties": {
    "city": {
      "type": "string",
      "description": "city name"
    },
    "planet": {
      "type": "string",
      "description": "planet name",
      "example": "EARTH",
      "enum": [

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        "EARTH",
        "JUPITER",
        "MARS",
        "NEPTUNE",
        "SATURN",
        "VENUS",
        "MERCURY",
        "URANUS"
    ]
},
"capacity": {
    "type": "integer",
    "description": "capacity of location",
    "minimum": 0
}
},
"type": "object"
},
"model to view spaceships": {
    "properties": {
        "spaceships": {
            "type": "array",
            "description": "list of spaceship details",
            "items": {
                "$ref": "#/definitions/model to view spaceship"
            }
        }
    }
},
"type": "object"
},
"model to view spaceship": {
    "properties": {
        "id": {
            "type": "string",
            "description": "id of spaceship"
        },
        "name": {
            "type": "string",
            "description": "name of spaceship"
        },
        "model": {
            "type": "string",
            "description": "model of spaceship"
        },
        "city": {
            "type": "string",
            "description": "city of spaceship"
        }
    }
},

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    "planet": {
      "type": "string",
      "description": "planet of spaceship"
    },
    "status": {
      "type": "string",
      "description": "status of spaceship"
    }
  },
  "type": "object"
},
"model to add spaceship": {
  "required": [
    "city",
    "model",
    "name"
  ],
  "properties": {
    "name": {
      "type": "string",
      "description": "name of spaceship"
    },
    "model": {
      "type": "string",
      "description": "model of spaceship"
    },
    "city": {
      "type": "string",
      "description": "city to add spaceship"
    },
    "planet": {
      "type": "string",
      "description": "planet to spaceship",
      "example": "EARTH",
      "enum": [
        "EARTH",
        "JUPITER",
        "MARS",
        "NEPTUNE",
        "SATURN",
        "VENUS",
        "MERCURY",
        "URANUS"
      ]
    }
  },
  "status": {
    "type": "string",
    "description": "status of spaceship",

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        "example": "OPERATIONAL",
        "enum": [
            "OPERATIONAL",
            "MAINTENANCE",
            "DECOMMISSIONED"
        ]
    },
    "type": "object"
},
"model to update spaceship status": {
    "properties": {
        "status": {
            "type": "string",
            "description": "status of spaceship",
            "example": "OPERATIONAL",
            "enum": [
                "OPERATIONAL",
                "MAINTENANCE",
                "DECOMMISSIONED"
            ]
        }
    },
    "type": "object"
},
"input model for travel functionality": {
    "properties": {
        "name": {
            "type": "string",
            "description": "name of spaceship"
        },
        "model": {
            "type": "string",
            "description": "model of spaceship"
        },
        "destination_city": {
            "type": "string",
            "description": "city to travel"
        },
        "destination_planet": {
            "type": "string",
            "description": "planet to travel",
            "example": "EARTH",
            "enum": [
                "EARTH",
                "JUPITER",
                "MARS",
                "NEPTUNE",
            ]
        }
    }
}

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        "SATURN",
        "VENUS",
        "MERCURY",
        "URANUS"
    ]
}
},
"type": "object"
}
},
"responses": {
  "ParseError": {
    "description": "When a mask can't be parsed"
  },
  "MaskError": {
    "description": "When any error occurs on mask"
  }
}
}
```