

03/31/2022



Developer Student Clubs

University of Toronto Mississauga

GDSC2.0

System Design Document

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CRC Cards

CRC Maker

2022-03-31, 7:06 PM

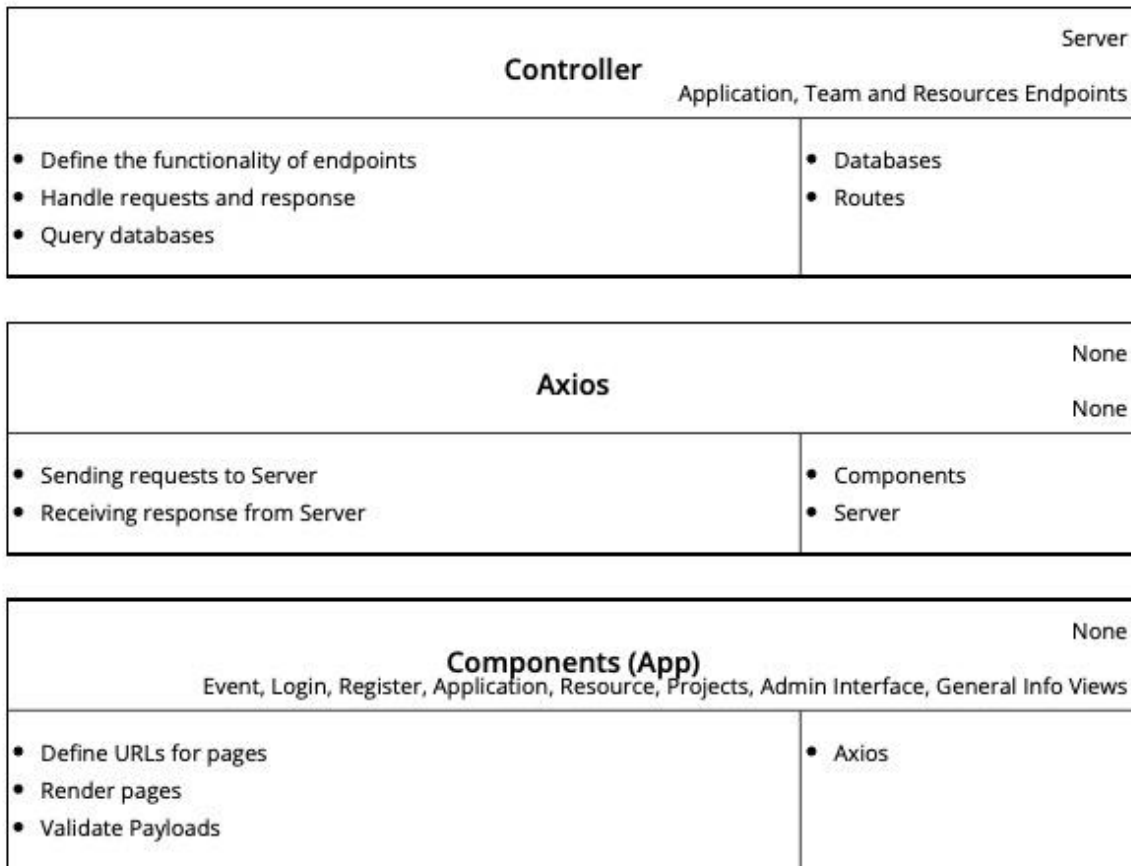
Abstract		None
Models Events, Application, Log, Admin, Projects, Resources, Team Models		
<ul style="list-style-type: none">Define Schemas for mongoDB		<ul style="list-style-type: none">Databases

		None
Databases Events, Application, Log, Admin, Projects, Resources, Team Schemas		
<ul style="list-style-type: none">Store DataQuery DataCreate Schema		<ul style="list-style-type: none">ModelsController

		None
Config (environment)		
		None
<ul style="list-style-type: none">Define environment variables (proxy port and database connection)		<ul style="list-style-type: none">None

		None
Server Routes, Controllerss		
<ul style="list-style-type: none">Provide communication instance for endpoints and frontendStore application global variables and states		<ul style="list-style-type: none">Axios

		Server
Routes Endpoints		
<ul style="list-style-type: none">Define paths for endpoints		<ul style="list-style-type: none">ControllerEndpoints



Modifications from Sprint2 Doc:

- Add event to backend models and frontend components

Software Architecture Diagram

```
graph TD; Model[MODEL] -- "UPDATES" --> View[VIEW]; View -- "SEES" --> User((USER)); User -- "USES" --> Controller[CONTROLLER]; Controller -- "MANIPULATES" --> Model;
```

The diagram illustrates the MVC pattern with four components: MODEL, VIEW, CONTROLLER, and USER. The MODEL is at the top, the VIEW is on the left, the CONTROLLER is on the right, and the USER is at the bottom. Arrows indicate the flow of interaction: the MODEL updates the VIEW, the VIEW is seen by the USER, the USER uses the CONTROLLER, and the CONTROLLER manipulates the MODEL.

[illegible]

For a better view, please view the original pdf file in our doc.