## bussr

## Test case – backend engineer

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Imagine that you need to create a backend REST API for the theater ticket
control panel
1 General info:
this is a backend for a web application to managing theater tickets
2. Functionality:
2.1 Application should implement Create/Read/Update/Delete for ticket
model, Authorization is required. But no need to include user model,
just imitate it by send an encoded Authorization token with a request and
verify it on the backend, it can be some constant string.
The ticket model includes:
creation date,
customer name,
performance title,
performance time,
ticket price
2.2 Also application needs some analytics:
a) how much money was earned by theater between 2 dates with division by
example response: [{month: 'September', summaryProfit: 8000}, {month:
'October', summaryProfit: 6000}, ...]
b) how many people visited theater between 2 dates with division by months
example response: [{month: 'September', summaryVisits: 800}, {month:
'October', summaryVisits: 600}, ...]
Do both analytics in 2 ways - 1) DB aggregation 2) by using js algorithms.
And define some query param to determine which method are used
for example /analytics/visited?method=aggregation ...
3. Notes
You can use any frameworks and DB's in your project. Preferably will be
Hapi.js and MongoDB. For deploying your app, please use docker-compose.
It Will be a big plus using unit testing
Also, a big plus will be using swagger for documentation
You can use any node packages you will need
Please add README with a description of how to run the project
After finishing please share the GitHub link to the project
```