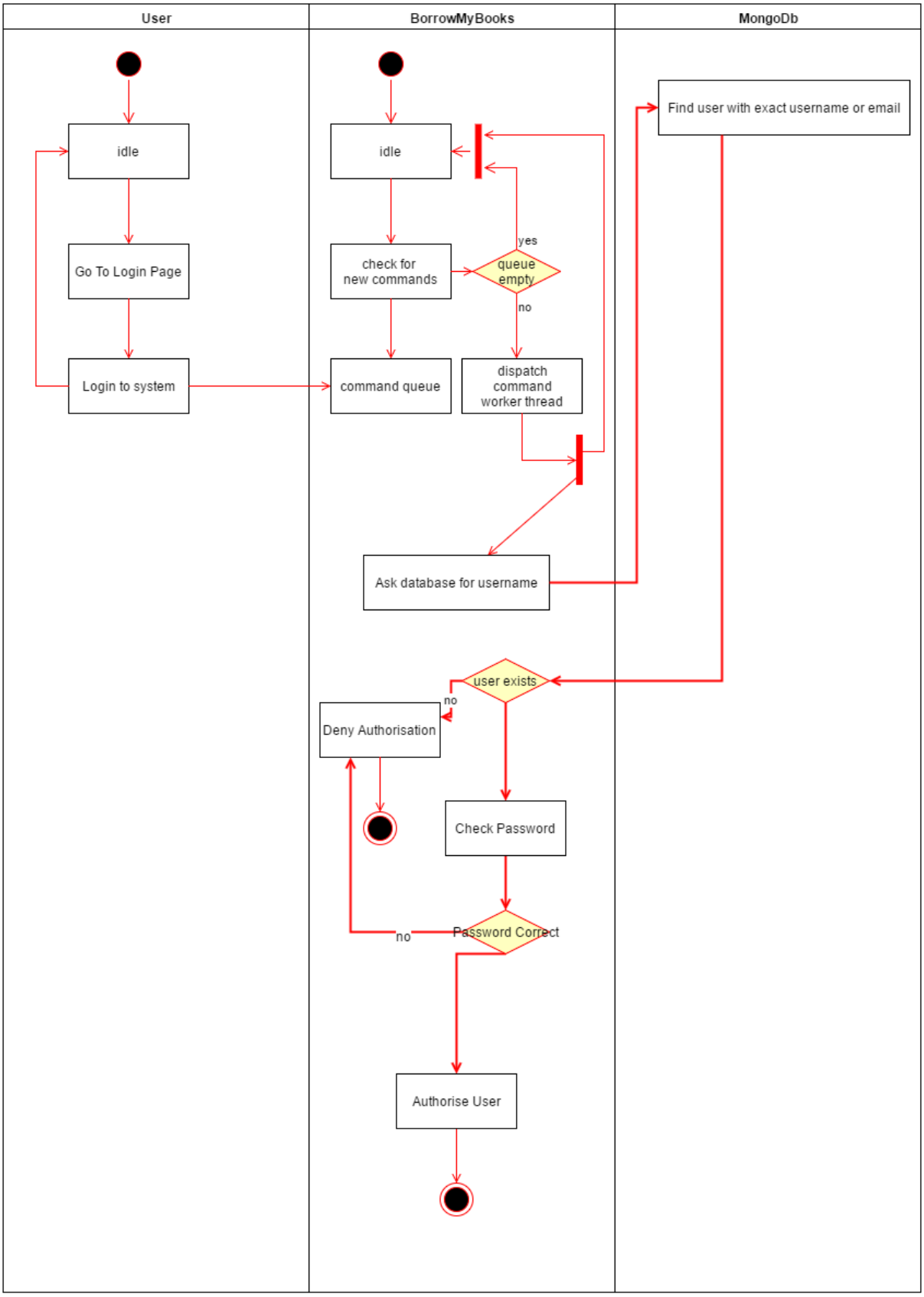
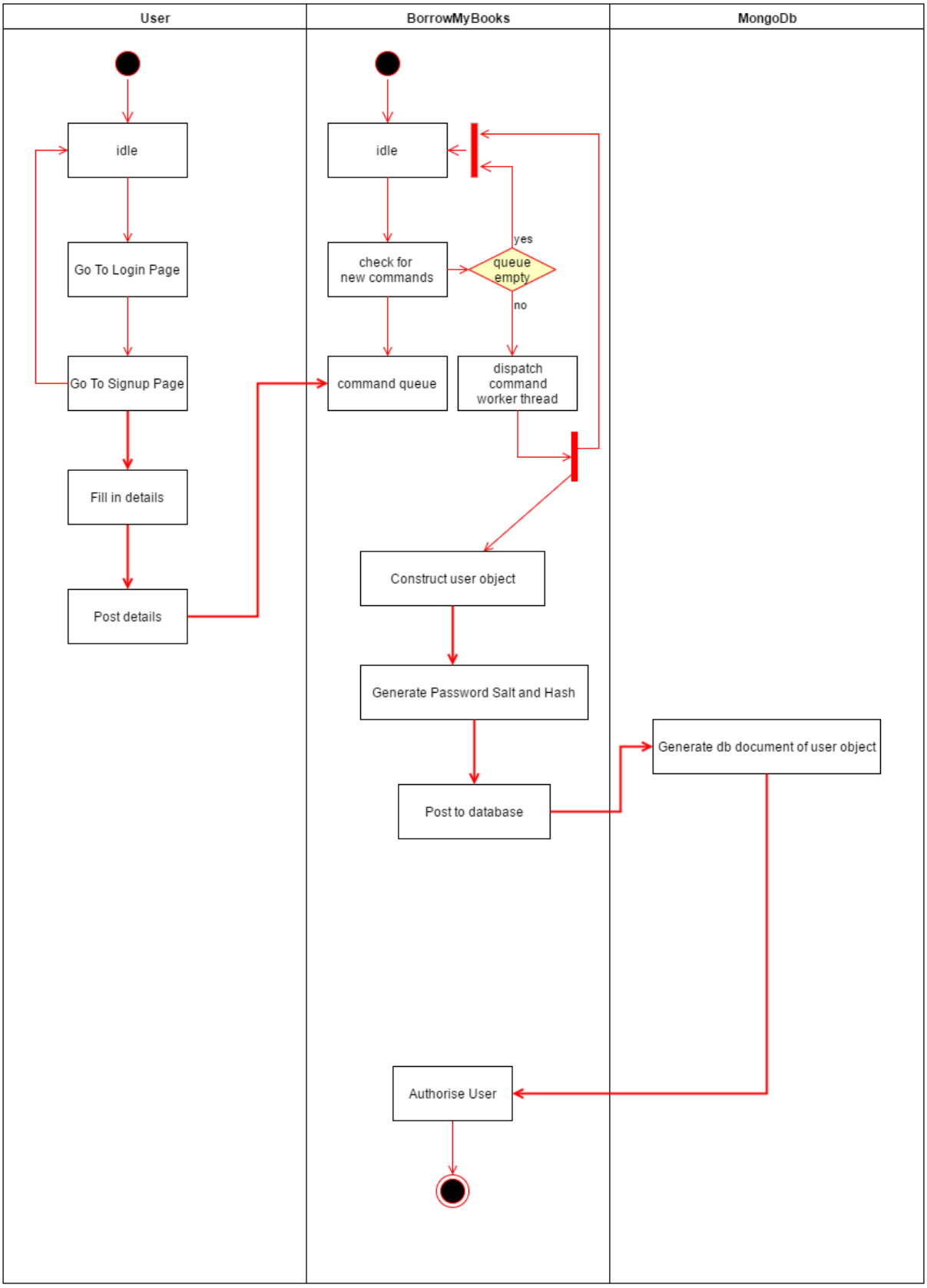
Diagrams for architecture
Borrow My Books

Activities:

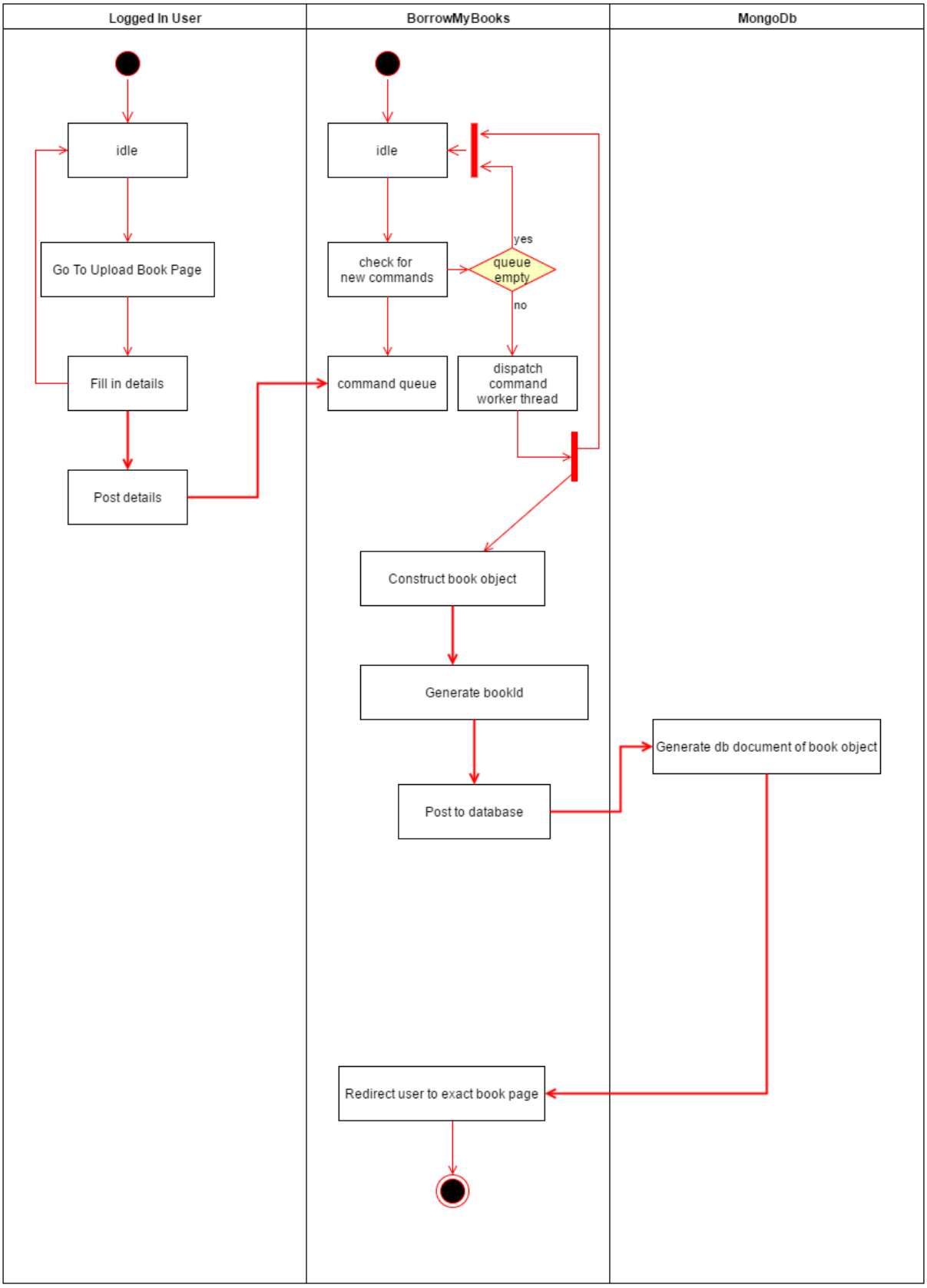
Login



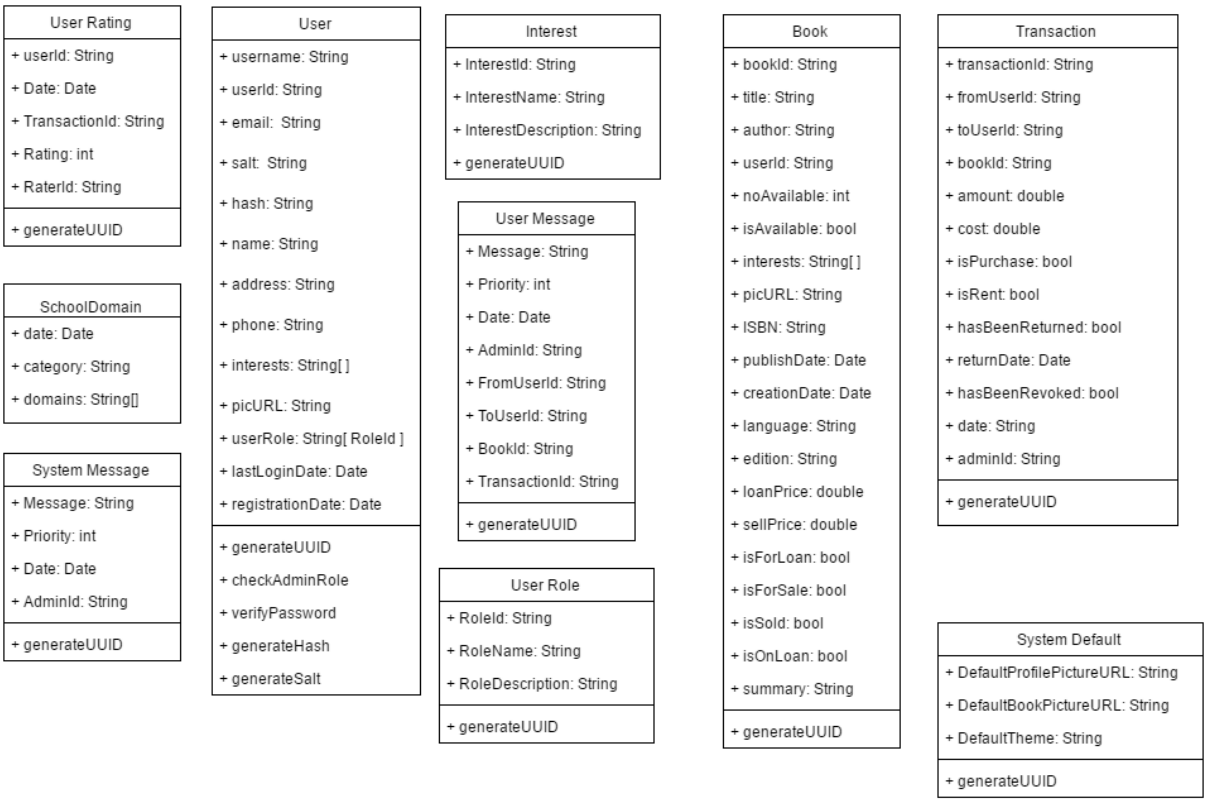
Signup


User
BorrowMyBooks
MongoDb
idle
Go To Login Page
Go To Signup Page
Fill in details
Post details
idle
check for new commands
queue empty
yes
no
command queue
dispatch command worker thread
Construct user object
Generate Password Salt and Hash
Post to database
Generate db document of user object
Authorise User

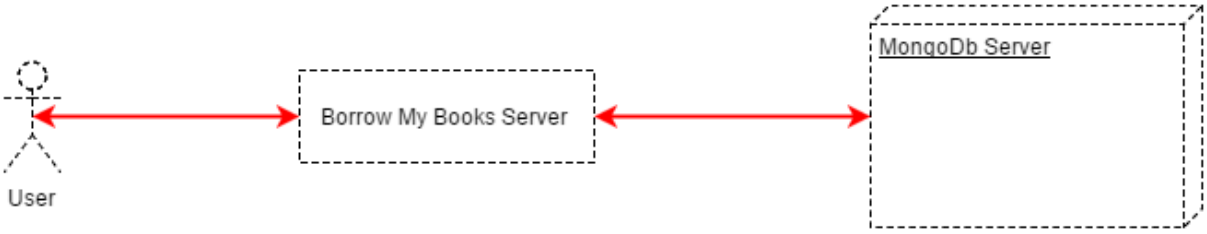
Upload Book


Logged In User
BorrowMyBooks
MongoDb
idle
Go To Upload Book Page
Fill in details
Post details
idle
check for new commands
yes
queue empty
no
command queue
dispatch command worker thread
Construct book object
Generate bookId
Post to database
Generate db document of book object
Redirect user to exact book page

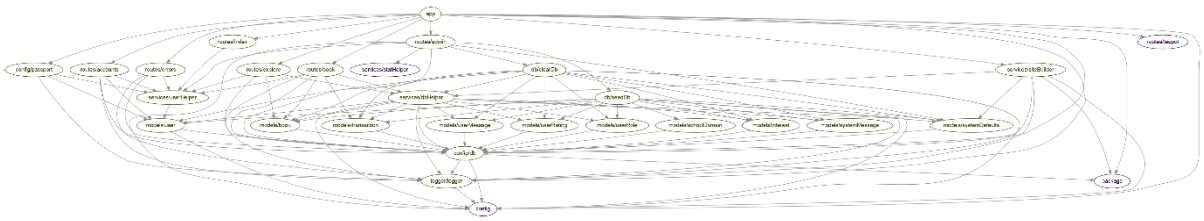
Database



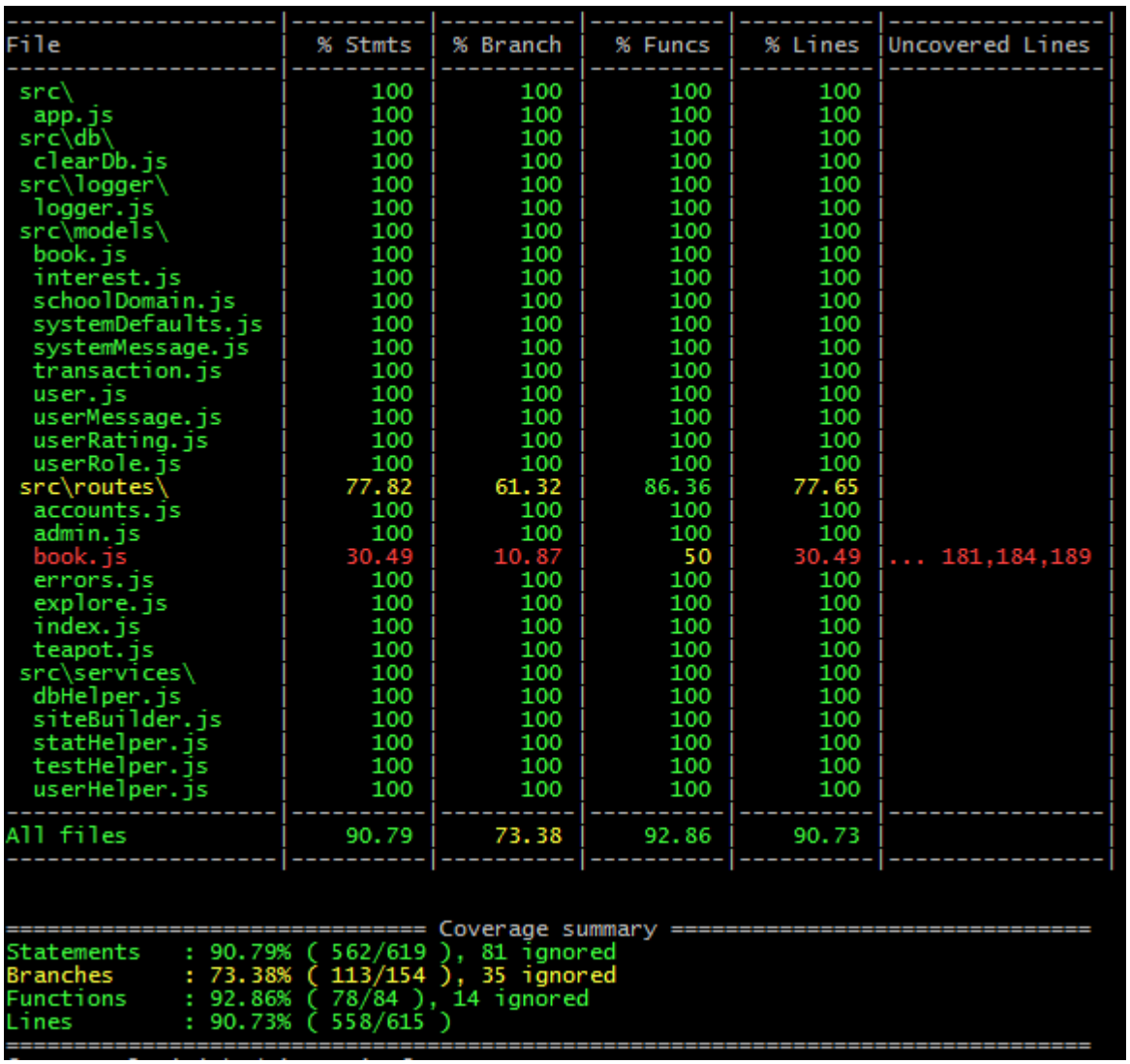
High Level Overview of Live Site



Module (code) dependencies from app.js (core component of the server)



Coverage and Testing Report



File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Lines
src\	100	100	100	100	
app.js	100	100	100	100	
src\db\	100	100	100	100	
clearDb.js	100	100	100	100	
src\logger\	100	100	100	100	
logger.js	100	100	100	100	
src\models\	100	100	100	100	
book.js	100	100	100	100	
interest.js	100	100	100	100	
schoolDomain.js	100	100	100	100	
systemDefaults.js	100	100	100	100	
systemMessage.js	100	100	100	100	
transaction.js	100	100	100	100	
user.js	100	100	100	100	
userMessage.js	100	100	100	100	
userRating.js	100	100	100	100	
userRole.js	100	100	100	100	
src\routes\	77.82	61.32	86.36	77.65	
accounts.js	100	100	100	100	
admin.js	100	100	100	100	
book.js	30.49	10.87	50	30.49	... 181,184,189
errors.js	100	100	100	100	
explore.js	100	100	100	100	
index.js	100	100	100	100	
teapot.js	100	100	100	100	
src\services\	100	100	100	100	
dbHelper.js	100	100	100	100	
siteBuilder.js	100	100	100	100	
statHelper.js	100	100	100	100	
testHelper.js	100	100	100	100	
userHelper.js	100	100	100	100	
All files	90.79	73.38	92.86	90.73	

```
=============================== Coverage summary ===============================
Statements   : 90.79% ( 562/619 ), 81 ignored
Branches     : 73.38% ( 113/154 ), 35 ignored
Functions    : 92.86% ( 78/84 ), 14 ignored
Lines        : 90.73% ( 558/615 )
================================================================================
```