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| Week | Concept | Feature | Goal | Acceptance Criteria | Evidence in README.md | Test Plan |
| 10 | Modeling | Create Book entity | App can create books and display data | [ ] book table displayed  [ ] table sortable and searchable | Implemented code, README write-up, screenshots as needed | Run migration, test database tables exist |
| 11 | Separations of Concerns / DI | Add IBookService to sort by criteria of rating and genre | Move logic out of controller into a service | [ ] service registered in DI  [ ] controller uses constructor injection  [ ] criteria are displayed correctly | Implemented code, README write-up, screenshots as needed | Call endpoint, verify criteria view is shown correctly |
| 12 | CRUD | Add create/edit/update forms for Books | User can add, edit, and delete books | [ ] form displays  [ ] validation message shows  [ ] changes saved to DB | Implemented code, README write-up, screenshots as needed | Add new book, edit, delete, and confirm each DB update |
| 13 | Diagnostics | Add /healthz endpoint | App reports if Book DB is reachable | [ ] Healthy when DB is up  [ ] Unhealthy when DB is down | Implemented code, README write-up, screenshots as needed | Stop database and text /healthz |
| 14 | Logging | Log every book entity and its changes | Record structured logs for book updates and criteria view requests | [ ] log message created  [ ] log contains ID of book and DB request or change | Implemented code, README write-up, screenshots as needed | Perform CRUD actions and check log output |
| 15 | Stored Procedures | Call stored procedures of ‘library’ summary (displays total stats) | Show a summary of # of books, pages read, authors read | [ ] SP executes  [ ] result summary displays | Implemented code, README write-up, screenshots as needed | Run SP in app and DB and compare results |
| 16 | Deployment | Deploy app to Azure App Service | Make app accessible in cloud with production settings | [ ] App Service created  [ ] App builds and runs in Azure  [ ] /healthz reachable  [ ] one functional path works | Implemented code, README write-up, screenshots as needed | Visit public URL, confirm health endpoint and one page loads |