College of Engineering, Construction and Living Sciences
Bachelor of Information Technology
IN608: Intermediate Application Development Concepts
Level 6, Credits 15

# Practicals

## Assessment Table

| Assessment Activity | Weighting | Learning Outcomes | Assessment Grading Scheme | Completion Requirements |
|---|---|---|---|---|
| Practicals | 25% | 1 | CRA | Cumulative |
| Django & OpenTDB API | 50% | 1, 2 | CRA | Cumulative |
| Django REST Framework, React & OpenTDB API | 25% | 1, 2 | CRA | Cumulative |

## Conditions of Assessment

Check the individual documents for the due date.

## Pass Criteria

This assessment is criterion-referenced with a cumulative pass mark of 50%.

## Submission Details

You must submit your program files via **GitHub Classroom**. Here is the link to the repository you will be using for your submission – https://classroom.github.com/a/2Hnb0QIq.

## Authenticity

All parts of your submitted assessment must be completely your work and any references must be cited appropriately.

# Policy on Submissions, Extensions, Resubmissions & Resits

The school's process concerning **Submissions, Extensions, Resubmissions and Resits** complies with Otago Polytechnic policies. Students can view policies on the Otago Polytechnic website located at https://www.op.ac.nz/about-us/governance-and-management/policies.

## Extensions

Please familiarise yourself with the assessment due dates. If you need an extension, please contact your lecturer before the due date. If you require more than a week's extension, a medical certificate or support letter from your manager may be needed.

## Resubmissions

Students may be requested to resubmit an assessment following a rework of part/s of the original assessment. Resubmissions are completed within a short time frame (usually no more than 5 working days) and usually must be completed within the timing of the course to which the assessment relates. Resubmissions will be available to students who have made a genuine attempt at the first assessment opportunity. The maximum grade awarded for resubmission will be C-.

## Learning Outcomes

At the successful completion of this course, students will be able to:

1. Demonstrate sound programming by following design patterns and best practices.
2. Design and implement full-stack applications using industry relevant programming languages.

## Assessment Overview - Learning Outcomes 1

In this assessment, you will complete a series of programming tasks covering the lecture & resource material.

| Topic | Weighting | Due Date |
|---|---|---|
| Python 1: Abstract Data Types & OOP Recap | 0.5% | 07-05-2021 at 5pm |
| Python 2: More Abstract Data Types | 0.5% | 07-05-2021 at 5pm |
| Python 3: Functional Programming | 1% | 07-05-2021 at 5pm |
| Python 4: In-Built Functions & SOLID | 1% | 07-05-2021 at 5pm |
| Python 5: Exceptions & Automation Testing | 1% | 07-05-2021 at 5pm |
| Python 6: Concurrency & Parallelism | 1% | 07-05-2021 at 5pm |
| Django 1: Route, Model & Admin Site | No Weighting | |
| Django 2: View & Template | 1% | 07-05-2021 at 5pm |
| Django 3: Forms & Class-Based Views | 2% | 07-05-2021 at 5pm |
| Django 4: Template Inheritance, Static Files & CDNs | 2% | 07-05-2021 at 5pm |
| Django 5: Automation Testing | 1% | 07-05-2021 at 5pm |
| Django 6: Authentication | 2% | 07-05-2021 at 5pm |
| Django 7: Security | No Weighting | |
| Django 8: Django REST Framework | 2% | 07-05-2021 at 5pm |
| Django 9: Deployment | 2% | 07-05-2021 at 5pm |
| React 1: Create-React-App & JSX | No Weighting | |
| React 2: Components & Props | 1% | 23-06-2021 at 5pm |
| React 3: State & Lifecycle Methods | 1% | 23-06-2021 at 5pm |
| React 4: Events & Conditional Rendering | 2% | 23-06-2021 at 5pm |
| React 5: Lists & Keys | No Weighting | |
| React 6: Forms | 1% | 23-06-2021 at 5pm |
| React 7: Automation Testing | 1% | 23-06-2021 at 5pm |
| React 8: Deployment | 2% | 23-06-2021 at 5pm |