

# Presentation Script for Software Development Project

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## Introduction (1 minute)

Briefly explain our project and introduce ourselves and our roles in the team.

## Process Organization (2 minutes)

Discuss the initial setup and choices:

- Discuss Web deployment on Azure.
- Tech stack: React + TypeScript for frontend; Django + Python for API and PostgreSQL for db (later switched to Node.js + MongoDB).

Roles and responsibilities:

- Backend Developers: Darren, Carlston (initially).
- Frontend and Pipeline Developer, Project Manager: Jacob. (now full stack).

## Process Evolution (2 minutes)

Explain key changes due to challenges:

- Shift from Django to Node.js due to static file serving issues.
- Adaptation to team changes and tool transitions (Asana to Smart-Task).
- Changing our work ours and our responsibilities due to team changes.

Go over how these changes improved the project.

## Release Pipeline (2 minutes)

Using github actions for simplicity, speed and ease of use.

Outline the three main stages of the pipeline:

1. Build: Build the front and backend, prepare deployment artifacts.
2. Test and Document: Running tests, generating documentation, preparing coverage reports.
3. Deploy: Deploying to Azure, ensuring the application updates are live.

## Features and Demo (8 minutes)

Walk through key features and explain how each works:

- User signup and login, with email verification.
- Credit top-up.
- View and book available courts (show email received).
- View bookings (upcoming and past).
- Cancel a booking (show email received).
- View list of current friends.
- Add a friend.
- Send credit to a friend.
- Show UI for users on mobile.
- Book a court and split the bill with this friend.
- View your user profile.
- Edit the user profile.
- Login as an admin.
- Show admin UI on mobile or other screen ratios.
- Create a court.
- Edit a court.
- Block courts for specific dates and times.

## Conclusion (After 15 minutes)

Ask if anyone has any questions.