User Flow — Backend Endpoint Interactions

This document shows the step-by-step flow from the user's perspective, highlighting which endpoints are called and which backend services are involved at each stage.

User Action	Endpoint Called	Services Used	Backend Outcome
User logs in / connects HMRC	POST /auth/login GET /auth/hmrc GET /auth/hmrc/callback	auth.js, hmrc.js	User authenticated, HMRC OAuth tokens saved
Upload spreadsheet	POST /files/upload	files.js → parser.js → aiCategoriser.js	File stored, rows parsed, AI categorises, transactio...
Review transactions	GET /files/:id GET /transactions PATCH /transactions/:id/verify	transactions.js	User views & verifies categories, transactions mark...
Create submission	POST /submissions	submissions.js → aggregator.js → hmrc.js	Verified transactions aggregated, HMRC payload s...
Check submission status	GET /submissions/:id/status	submissions.js	Returns status: pending, accepted, or failed
Deadline reminders sent	(no user action, scheduled)	scheduler.js → emailer.js	Daily cron checks deadlines, sends reminders, logs...
View notifications	GET /notifications	notifications.js	User sees history of reminders/alerts