

# First Project

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<b>Due</b>	Friday by 11:59pm	<b>Points</b>	20	<b>Submitting</b>	a file upload
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1. Sign up for a Stripe test account (one per team).
2. Implement three simple pages:
  - Logon to your projects customer server (UID/password),
  - Get a list of “things” for which you can pay,
  - Simulated credit card transaction via Stripe,
  - Result flows from UI to your servers,
3. Three simple serverless/microservices:
  - (Gateway) Validate the credit card token/info,
  - (User) Verify UID/PW; record customer payment,
  - (Payments) Update payment records,
4. Integrate into an end-to-end flow
5. As-A-Service platforms:
  - Amazon S3 for web site,
  - One:
    - Service on Elastic Beanstalk,
    - Table/DB in Aurora,
    - You may use local servers for the others,
  - JWT token between:
    - UI,
    - User service,
  - Basic REST API, but do not need to use API Gateway (yet).