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A. App.java

Token.Builder builder =

new Token.Builder(

Algorithm.HMAC256("secret"));

Token token =

builder.build();

****B. Token.Builder.java

Instantiate a JWT Builder

public Builder(Algorithm algo) {

algorithm = algo;

header = new Header();

payload = new Payload();

header.setAlgorithm(algorithm.getName());

}

****C. Token.Builder.java

public Token build() throws Exception {

return new Token(this);

}

****

D. Token.java

private constructor

private Token(Builder builder) {

algorithm = builder.algorithm;

payload = builder.payload;

header = builder.header;

signature = createSignature();

}

****E. Token.java

private String createSignature() {

String concatenated =

String.format(

"%s.%s",

header.base64Encoded(),

payload.base64Encoded());

byte[] signed =

algorithm.sign(

concatenated.getBytes(StandardCharsets.UTF\_8));

return Base64Utils.encodeBase64URL(signed);

}

****