

CIS 557 Spring 2021 Final Project Rubric

The following document contains the different sections on which the final project will be graded. In order to pass the final project, you must complete the minimum number of requirements listed for each section. The sections are separated into two categories - sections that will be assessed during the demo and sections that will be assessed separately. Note that this is a live document that may be changed so make sure you check this regularly. If you have any questions about the rubric feel free to ask on Piazza or come to office hours. Note that the full user story is listed in parentheses with the description of the requirement we will be checking for.

Demo sections:

Basic Checks - need all to pass

Can register and login successfully (US 1, 2)	P/F
Account lockout if too many unsuccessful login attempts (US 2)	
Profile view has at least username, when they registered, and avatar/profile pic (US 3)	
Users should be able to change password and deactivate account (US 3)	
Can add and remove contacts through searching (US 4)	
Can view and block followers (US 5)	
Main view where users can make posts and see posts of other users they follow (US 6, 8)	
Can delete their own post (US 7)	
Can comment on a post and see other comments (US 9)	
Can edit or delete a comment (US 11)	
Can hide other user's posts (US 10)	
Can send asynchronous text message (US 13.0)	
Can send asynchronous audio message (US 13.1) - audio plays within the app	
Can send asynchronous picture message (US 13.2) - picture displays within the app	
Can start a live stream (US 14)	
Live stream displays number of people who are watching (US 15)	

Can comment on a live stream (US 16)	
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Intermediate Checks - need minimum 5 to pass

Can merge live streams (US 18)	P/F
Can comment on merged live streams (US 19)	
Has contact suggestion feature (US 22)	
Has mentions in posts and comments (US 21)	
Has support for hashtag filtering posts and comments (US 20)	
Has delivered + read receipts (US 25)	
Has pagination OR infinite scroll on posts (US 28/29)	
Has analytics for posts (US 26)	
Has analytics for live streams (US 27)	
Has live updating messages and posts - no refresh (US 23)	
Has live notifications (US 24)	

Functional Testing Checks - need minimum 2 to pass

Tests for registration	P/F
Tests for login	
Tests for sending a message	
Tests for making a post	

Non-Demo Sections:

The following sections will be graded separately from the demo

Project Management Checks - need all to pass

Has failed no more than 3 sprints	P/F
Has API documented on Swagger (US 12)	

Wiki/Documentation Checks - need minimum 4 to pass

Has wireframes	P/F
Has one prototype	
React component description	
Has ER diagram	
ER diagram has accompanying Relational schema or NoSQL schema	
Has description of CRUD operation functions (controller functions)	

Security Checks - need minimum 5 to pass

Description of access control	P/F
Description of input validation	
Description of account lockout policy	
Description of HTTP status codes used and reasoning	
Description of how exceptions are handled	
Description of user tokens/cookies	
Using .env files (no secure information like API keys on Github)	
For MongoDB: filtering origin IP addresses in Atlas	
For SQL: have all the parameterized SQL statements	

(Travis) Testing Checks - need minimum 3 to pass

Have snapshots for at least half of their components	P/F
Unit tests (backend) code coverage is at least 50%	
Unit tests (frontend) code coverage is at least 50%	
Integration tests (controller/database) code coverage is at least 50%	
API tests (routes) code coverage is at least 50%	
If the sum of any combination of code coverages is at least 200% you automatically pass this section	