

# Team Charter

**Team Name:** Bit by Bit

**Team Logo:**



**Team Motto:** One Byte At A Time

**Team Vision Statement:** Our team is committed to making a project that successfully enhances the experience for both students and professors registering at Weber State University, fostering academic success and growth.

**Team Guidelines:**

- Differences of opinion on code or plans will be resolved by the group deciding by vote, and everybody has to vote after consulting with the professor if needed.
- Attend meetings and work on the days we plan each week.

**Team External Meeting Times, Locations, Methods:** Discord Channel. Meetings at least twice weekly, Wednesday's and Thursday's at 6:30 pm, more meetings as necessary.

**Team Contact Info:**

Name	E-mail (non-Weber)	Phone*	Skills/Experience**	Preferred Availability Outside of Class***
Rashad Ramaileh	rashadramaileh@gmail.com	801-388-5845	Done a fair amount of coding so far. Experience in C#, Java, C, SQL. Have a little bit of experience with Javascript and Python	Available anytime Monday - Friday after 6 P.M.  Saturdays it depends  Available all day Sunday
Shanen Oleson	Blairwillows98@gmail.com	208-931-1553	Associates Degree classes, I can code but it takes me a minute to work out the algorithms. C#, Some experience in JS, HTML, CSS, C++, SQL, Java	Available anytime just need to know in advance.  Weekends I am usually gone but If I have notice I can work things out with my schedule.
Ashton Chatelain	ashton.chatelain@gmail.com	801-831-3474	Java, C#, JS, SQL, sqlite, mongodb, Python/Django	Weekdays after 5 weekends any time.
Austin Wilson	austizoid25@gmail.com	801-663-4852	Java, SQL, JS, HTML, CSS, C++. Did an internship with the church of Jesus Christ under quality assurance.	Basically anytime, just a heads up so that nothing else gets planned at the same time.
Sebastian Buxman	sebastianbuxman10@gmail.com	385-444-5456	Java, C#, C++, HTML, CSS, SQL, Python/Django, A little JS(just the stuff we did in 2450). I have a job at the moment on campus working with C# and SQL. We work with different wpf apps.	Weekdays, anytime after 14:30. Weekends I am free mostly as well.

**Problem Statement:**

- a) Weber State School of Computing is having issues with their registration system. There is no student feedback regarding what classes and times they would like to take, courses and instructors are currently uploading their class schedule by using a spreadsheet.
- b) The current system is a spreadsheet based on instructor needs, when it should also be tailored to what the students require. Scheduling conflicts occur between different colleges, as well as with different programs within the colleges (networking, computer science, and user interface at the college of east). Department heads are required to schedule each class individually within an excel spreadsheet, assign instructors, assign meeting times, etc. In the past, some software was looked into to solve these problems, but none were ever agreed upon and chosen, meaning the project needs to fill the requirements of the department heads to be chosen.

**Background Information:**

- a) The College of East at Weber State University is looking for software to assist teachers and students with scheduling classes. At the moment the heads of each department have to reach out to professors to check their availability and which classes they would like to teach. On occasion, there is an overlap in times with classrooms and issues with how many credits a professor is allowed to teach. The data is gathered from the professors and stored in a spreadsheet.
- b) Weber State currently has a registration system called Ellucian Banner for students to use to register for classes. It is used by all of the departments currently.
- c) Our domain at the moment is the course scheduling for the school of computing at Weber State. The targeted users will be the program coordinators, professors and the students enrolled at Weber.
- d) We have to operate within the limits of the department. Teachers are only allowed to teach a certain amount of credit hours. A way to control this would be to keep track of how many credit hours a teacher has been assigned to and once they get to that number put a block on them so they cannot teach anymore courses for that specific semester. There is also an issue with scheduling classes in the same classroom during the same time. This would be similar to the above scenario. We would have to make sure to put a block on a classroom when a teacher assigns a class to a classroom to ensure there is no double booking. Another issue is time slots for classes offered. We want to make sure that instructors don't offer the same course using the same time slots so there are more options for students to choose from.